Verification and Validation of Current IWEDA Rules

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Final Report for Subtask 2
Contracting Officer's Representative: Ms. Joni Jarrett

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in Integrated Weather Effects provided by the Army Resear publications and Subject Mat	efforts to investigate, confirm, and Decision Aid (IWEDA) softwatch Laboratory at White Sandster Experts, the STC team wa	re in development by the U. Missile Range from a previous as able to validate, adjust, or	alues and their impact rules resident S. Army. STC reviewed 493 rules as STC report. Using current Army delete each rule. The results are so been presented in soft copy.
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FOREWORD

Science and Technology Corporation (STC) is pleased to submit this final document entitled "Verification and Validation of Current IWEDA Rules" for the satisfaction of the requirements of Subtask 2 of Contract No. DACA76-93-D-0005, Delivery Order No. 0005, Statement of Work (SOW) entitled "Modernized Army Weather Support and Organization." The document was prepared by Mr. Carl H. Chesley and Mr. Vincent P. Grocki of the STC Hampton, Virginia office and is one of three documents prepared to satisfy the requirements for Subtasks 1, 2, and 3 of the contract.

- 1. The final document for subtask 1, "Management Organization for Army Weather Programs and Support Functions," is provided in STC Technical Report No. 3145.
- The final document for subtask 2, "Verification and Validation of Current IWEDA Rules," is provided in STC Technical Report No. 3157.
- The final document for subtask 3 on Templates will be provided in STC Technical Report No. 3161.

The valuable technical discussions with Ms. Joni Jarrett, U.S. Army Topographic Engineering Center, Mr. Steven Nolan, Office of the Deputy Chief of Staff, Intelligence, Futures Directorate, Analysis and Support Team, and Maj. Michael Corbett, Office In-Charge Weather Support Team U.S. Army Intelligence Center, Fort Huachuca, Arizona, are sincerely appreciated. Special thanks also goes to Mr. Lee Page, Office of the Deputy Chief of Staff, Intelligence, Policy Directorate, Battlespace Surveillance Operation Division, for his willingness to share his official library of publications and his personal memories of 13 years of Army weather support.

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TABLE OF CONTENTS

FOREWORD	n
TABLE OF CONTENTS	V
LIST OF TABLES	VI
LIST OF ACRONYMS	IX
1. INTRODUCTION	1-1
1.1 TEAM COMPOSITION	1-1
1.2 OVERVIEW	1-1
2. IWEDA VALIDATION ACTIVITY	2-1
2.1 VALIDATION APPROACH	2-1
2.2 RULE VALIDATION	
2.3 COORDINATION WITH THE WEATHER SUPPORT TEAM	
2.3.1 Environmental Thresholds and Impacts Database	
2.3.2 USAIC Critical Value Database	2-5
2.3.3 Draft Copy of Validated Rules	2-5
2.4 RESULTS	2_5
2.4.1 Deleted Rules	
2.4.2 Summary Comments on Changes	
2.4.3 New Critical Value Data	2-10
3. IWEDA COMMENTS	3-1
3.1 GENERAL IWEDA COMMENTS	3-1
3.1.1 Threat Critical Values	3-1
3.1.2 Rule Editor	
3.1.3 IWEDA Concept of Operations	3-2
3.1.4 Multiple Versions of IWEDA	3-2
3.1.5 Turbulence/Icing Levels	3-3
3.2 SPECIFIC IWEDA SOFTWARE COMMENTS	3-3
3.2.1 IWEDA "Zoom" Capability	
3.2.2 IWEDA "What-If" Capability	3-3
3.2.3 War/Peace Switch	3-4
3.2.4 IWEDA System Architecture	3-4
3.2.5 Climatology Training Packages for Use with IWEDA	3-5

4. CONCLUSIONS AND RECOMMENDATIONS4-1
4.1 CONCLUSIONS 4-1
4.2 RECOMMENDATIONS4-2
APPENDIX A. ORIGINAL STATEMENT OF WORK
APPENDIX B. FIRST MODIFICATION TO STATEMENT OF WORKB-1
APPENDIX C. STC LETTER REQUESTING EXTENSION
APPENDIX D. LIST OF IWEDA DEVELOPMENT REFERENCESD-1
APPENDIX E. ORGANIZATIONS AND PERSONNEL VISITEDE-1
APPENDIX F. LIST OF CONDENSED IMPACTS BY PRIORITYF-1
APPENDIX G. ALL RULES ALL FIELDSG-1
IWEDA SYSTEM RULESG-3
IWEDA SUBSYSTEM RULES
IWEDA COMPONENT RULESG-207

LIST OF TABLES

Table 1-1.	Team Composition	1-1
Table 2-1.	List of System Rules Recommended for Deletion	2-6
Table 2-2.	List of Subsystem Rules Recommended for Deletion	2-8
Table 2-3.	List of Component Rules Recommended for Deletion	2-9
Table 2-4.	Summary of Changes	-10
Table 2-5	Potential New Critical Values and Rules	-10

LIST OF ACRONYMS

ACC U.S. Air Force Air Combat Command

ARL-W U.S. Army Research Laboratory, White Sands Missile Range, New Mexico

ASCII American Standard Code for Information Interchange

BFM Battlescale Forecast Model

CV Critical Value

CVDB Critical Value Data Base

DOS Disc Operating System

EDGE Environmental Design Guidance for Evaluation

EO Electro-Optical

EOTDA Electro Optical Tactical Decision Aid

ETI Environmental Thresholds and Impacts

GPS Global Positioning Satellite

HQ TRADOC Headquarters, U.S. Army Training and Doctrine Command

IMETS II Integrated Meteorological System Block II

IPB Intelligence Preparation of the Battlefield

IWEDA Integrated Weather Effects Decision Aid

MI Military Intelligence

MLRS Multiple Launch Rocket System

MOPP Mission Oriented Protection Posture

MOS Military Occupational Specialty

MTOE Modified Table of Organization and Equipment

NETT New Equipment Training Team

NGIC National Ground Intelligence Center

OIC Officer in Charge

ORACLE British Aerospace Visual Performance Model

SME Subject Matter Expert

SOW Statement of Work

SWO Staff Weather Officer

STC Science and Technology Corporation

TARGAC Target Acquisition Model

TEC

U. S. Army Topographic Engineering Center

UAV

Unmanned Aerial Vehicle

USAIC&FH

US Army Intelligence Center and Fort Huachuca

WST

Weather Support Team

1. INTRODUCTION

The original statement of work (SOW), contained in Appendix A, provides the objective, background, tasks, deliverables, control procedures, and the government-furnished support. Appendix B contains the modification to the SOW that redefined the requirements for this AR 5-5 study. The modification identified two new requirements: the requirement for the validation of the Integrated Weather Effects Decision Aid (IWEDA) rule base and the development of a master list of templates to be hosted on Integrated Meteorological System Block II (IMETS II) for use by various customers. Appendix C contains the Science and Technology Corporation (STC) letter that requested a no cost extension of the completion date for the template requirement to 31 March 1997. The STC request was approved and incorporated into the amendment issued by the U.S. Army Topographic Engineering Center (TEC) on 19 September 1997.

1.1 TEAM COMPOSITION

The original STC Management and Technical Team was comprised of three current STC employees and one individual to be hired. Table 1-1 contains the names and position titles of the team members.

 Labor Category
 Name
 Support to the Contract

 Program Manager
 Mr. Samuel L. Eure
 Part time

 Project Manager/Principal Investigator
 Mr. Carl H. Chesley
 Full time

 Investigator
 Dr. Andrew R. Spillane
 Part time

 Investigator
 Mr. Vincent P. Grocki
 Part time

Table 1-1. Team Composition

Shortly after the award of the original contract, Dr. Spillane resigned from STC. As a result, the hours originally programmed for him were reprogrammed to the newly hired investigator, Mr. Grocki.

1.2 OVERVIEW

This document, divided into four sections, summarizes the work completed to satisfy the requirements to validate the IWEDA rules. Section 1 is the Introduction. Section 2 contains a review of the procedures followed to validate the IWEDA rule base and a discussion of the validated rules. Section 3 provides general comments about IWEDA and specific comments on the operation and capabilities of the IWEDA software. Section 4 contains the conclusions and recommendations. Additional detail is provided by the seven appendices accompanying the text.

2. IWEDA VALIDATION ACTIVITY

A visit to the Weather Support Team (WST) at the US Army Intelligence Center, Fort Huachuca, Arizona (USAIC&FH), was conducted by Mr. Chesley and Mr. Grocki. Discussions with Maj. M. Corbett, Officer in Charge (OIC) of the WST, and MSgt W. Buttner and Mr. R. Szymber, members of the WST, confirmed that STC was tasked to validate only the rules already resident in IWEDA IMETS II.

The 493 rules currently in the version of IWEDA that resides on IMETS II come from two major sources. The majority are based on the 480 rules originally presented to the U.S. Army Research Laboratory, White Sands Missile Range, New Mexico (ARL-W), by the STC team of investigators as part of the IWEDA developmental work performed under contract to ARL-W. Various technical reports, listed in Appendix D, were prepared that included a description of the original IWEDA software and database. The remainder of the rules were developed by ARL-W when they modified or deleted some of the original 480 rules and added approximately 20 unclassified rules covering threat systems.

The rules obtained from ARL-W, as they are used in IWEDA IMETS II, were contained in five separate tables that provided various elements of each rule. In the original database, all elements of a rule were contained in a single record. However, a change in the system architecture of IWEDA necessitated a database format change. Because of this format change, STC had to recombine the data contained in the five tables into individual tables for the system, subsystem, and component rules. With the subject rules identified, the next step was to decide on an order of priority for validation. Since the rules are used in IWEDA without special regard for "operations" or "missions," it was decided to simply validate all 493 rules as quickly as possible.

Also during the initial visit to Fort Huachuca, the STC team was given the opportunity to work with the actual IWEDA IMETS Block II software. This brief familiarization has made rule validation more comfortable and has led to some comments and recommendations covered later in the report.

2.1 VALIDATION APPROACH

The primary validation approach was to identify those Army or Air Force publications that furnished specific critical values (CV) for an item that applied to all users of the item. The proximity of STC's Corporate office in Hampton, Virginia, to the Air Combat Command (ACC) Headquarters at Langley Air Force Base, as well as Headquarters, Training and Doctrine Command (HQ TRADOC) at Fort Monroe,

and the U.S. Army Aviation and Transportation School at Fort Eustis, Virginia, facilitated much of the validation process. In addition, all three locations served as sources for subject matter experts (SME) and their personal libraries in various areas. Appendix E provides a list of the locations and personnel contacted during the validation process.

During the initial visit to the WST, the search for original source documentation for friendly and threat rules began. STC investigators reviewed a report containing a Critical Value Data Base (CVDB) prepared for USAIC by a local Arizona small business.¹ This database contained very little, if any, usable data and had absolutely no value to this effort. Visits were also made to local Fort Huachuca training, test and evaluation, and tactical units, and to an on-post library to gather reference data. Although a few publications were obtained, these visits met with little success except in the unmanned aerial vehicle (UAV) area.

Working with Air Force pilots assigned to the HQ ACC Conventional Operations and Training Division, the STC team was able to identify reference documents for current Air Force systems and identify those systems included in IWEDA that were no longer in the Air Force inventory (e.g., the F4-G and F-111 fighter/bombers that have been retired). Because many of the Air Force documents only had limited specific CV information, SMEs were used to augment and add specificity to the data. Majs. R. Goodwyn, C. Fisher, and M. Decesari of the Weapons and Tactics Branch provided these data. They also agreed that most weather impacts to navigation have been completely overcome by major increases in technology. The Global Positioning Satellite (GPS) system, along with an improved Inertial Navigation System, has negated most of the effects of winds, clouds, hydrometeors, and lithometeors. Additionally, the multiplicity of weapons, delivery tactics, and target acquisition methods have further reduced, if not eliminated, most of the weather impacts on the close air support role of the U.S. Air Force.

At Fort Eustis, the Aviation Applied Technology Directorate of the Aviation Support Facility, as well as the CH-47 Support Facility, provided valuable assistance to the validation of rules applicable to Army aircraft and to the identification of noncurrent Army systems (e.g., OV-1). Using the Fort Eustis Aviation and Transportation School library, the Fort Eustis Military Occupational Specialty (MOS) library, and publications from the Fort Monroe library, the STC technical team was able to validate,

COBACO, Inc., Sierra Vista, Arizona.

update, or eliminate rules dealing with wheeled vehicles, mission oriented protection posture (MOPP) operations, soldier effectiveness, and some miscellaneous radar components.

Because the local military library facilities are not all inclusive, the STC team visited Fort Bragg, North Carolina, to further the research effort. Personnel and organizations contacted are listed in Appendix E.

Dr. Richard Shirkey, ARL-W, performed the actual evaluation of the electro-optical (EO) related rules using the target acquisition model (TARGAC) code, the Air Force Electro Optical Tactical Decision Aid (EOTDA), and the British Aerospace Visual Performance Model ORACLE. His analysis of the results was responsible for the verification and validation of approximately 10% of the rules.

2.2 RULE VALIDATION

The actual validation procedure was relatively straightforward. Having arranged the available database of rules as individual reports, they were then organized in categories by system, subsystem, and component. A literature search was conducted to identify documented official Army (or Air Force) statements concerning the effects of significant environmental conditions on Army/Air Force equipment and people. The team relied on DA Pamphlet 25-30, Consolidated Index of Army Publications and Blank Forms, 1 October 1997, to confirm the currency of documents and items. (If no reference document could be found in the current DA Pam 25-30 it alerted the team members to the fact that the item might no longer be in the inventory.) The search included, but was not limited to regulations, field manuals, technical manuals, technical bulletins, soldier pamphlets, technical orders (Air Force), and joint publications. Some SME interviews were conducted, but in each case the main thrust of the conversation was to identify publications where the Army/Air Force had officially identified a CV or an environmental impact on a system. Only as a last resort were SME statements used as documentation for CVs or weather effects impact statements.

All elements of each rule were reviewed and evaluated. In some cases the various elements of the CV had to be changed (e.g., weather parameter or operator), or the impact statement wording needed to be corrected. In a number of cases the "red color" condition was considered too restrictive and was downgraded to "amber." For example, a high-density altitude ostensibly made a particular helicopter platform unusable. However, if the payload, fuel load, route, or timing could be adjusted, the situation would only become amber. In other cases, operating a vehicle in extremely cold temperatures was categorized as not feasible, a red condition. But if a winterization kit was installed, the situation could be considered an amber condition. In such situations, where logical alternative actions are available to

promote mission accomplishment, the impact of the CV was changed to amber to indicate a potential problem as opposed to a mission halting red issue. Lastly, each new source was documented including the date of publication. Where an official "change" to the original publication had been produced, the date of the change was used as the date of publication.

The final element of each rule that was reviewed was the condensed impact. When IWEDA was originally designed the condensed impact was developed to give the user a quick, but accurate, indication of what was causing either a red or amber impact. The condensed impacts were designed and delivered to give the user a prioritized list of condensed impacts, with each condensed impact satisfying a specific CV or range of values. However, based on discussions with Mr. Dave Sauter, ARL-W, and on feedback he received from various field tests of IWEDA, the definitions of several condensed impacts were changed. The revised list of condensed impacts, listed in priority order of severity or importance, is included in Appendix F.

2.3 COORDINATION WITH THE WEATHER SUPPORT TEAM

To avoid duplication of effort between the STC team and the WST, STC made a concerted effort to coordinate its actions with and share its work with the WST. As a consequence of the efforts to validate existing IWEDA rules two other computerized weather effects databases were identified, one of which may have some future utilization for the WST.

2.3.1 Environmental Thresholds and Impacts Database

The Environmental Thresholds and Impacts (ETI) database, containing more than 4100 rules, was obtained from Dr. Paul Krause of the U.S. Army's Topographic Engineering Center (TEC). STC received the data as a series of separate American Standard Code for Information Interchange (ASCII) tables that needed to be linked together and imported into a single relational database before the data could be easily and usefully read. Also, almost no documentation was available to help understand or use these various data tables. The Microsoft Access database software was selected to host these data because of Access' widespread use in the Army. The STC team performed the necessary importing and linking of the tables and after some effort was able to decipher and arrange the data in a logical and manageable form.

Chesley, C. H., A. R. Spillane, W. G. Maunz, and T. J. Dube, 1994: Integrated Weather Effects Decision Aid (IWEDA), Version 1.10a Final Status Report. STC TR 2885, Appendix F, Science and Technology Corp., Hampton, Virginia.

The ETI database was originally developed by STC under contract to TEC in support of the development of TEC's Environmental Design Guidance for Evaluation (EDGE) program to alert materiel developers to environmental impacts when developing new items. The rule base was modified by TEC, and approximately one-half of these rules do not have specific values as CVs but use more general terms instead (e.g., slippery soil when wet, tropic environment, high humidity). A limited review and evaluation of the remaining rules found that the current ETI database does not appear to be sufficiently robust to aid the immediate effort to validate current IWEDA rules. However, the data may serve as a basis for CVs and/or rules included in the large Army-wide database being developed by the WST. Therefore, the entire ETI database was forwarded to USAIC&FH WST. Once the Army-wide expanded database is complete, individual Army centers and schools will review and validate those specific rules that deal with items for which they are responsible.

2.3.2 USAIC Critical Value Database

The second database consisted of the previously mentioned CVDB maintained by the WST at USAIC&FH. The contractor purportedly delivered an automated database; however, the WST has never been able to get it to work. After reviewing some of the paper copy printouts from the CVDB it was determined that most of the CVs were missing or so vague as to be useless, and no usable impact statements were available. This database should probably be discarded.

2.3.3 Draft Copy of Validated Rules

Because of the ongoing work being done by the WST to build the expanded IWEDA rule base, STC furnished the WST and the ARL-W a copy of the validated rule base after about 60 percent of the rules had been validated. This included tables of all of the rules and data collected up to that point and a report that the WST could printout to view the data in an easy-to-read format. The intent was to ensure that STC's efforts were consistent with the SOW and satisfied the customer's requirements. STC requested and received a series of comments, mostly by e-mail, concerning changes, corrections, additions, and concurrences on the database from both organizations.

2.4 RESULTS

Of the 493 rules reviewed, 259 were at the system level, 137 at the subsystem level, and 97 at the component level. All 493 rules were evaluated and all were changed in some manner, if only to increase the information included in the "source" field of the rule or to recommend deletion. The final validation

of 10 EO sensor rules was not completed before publication of this report. Final research results from ARL-W will be used to verify these rules. These 10 rules are identified by a "V" in the "Any Change to Record?" field in the component rule database. Each of the rules is individually presented in Appendix G as a separate record. Each record includes most of the original fields contained in the tables provided by the ARL-W and are all of the fields that the STC team was tasked to review and validate by the SOW.

2.4.1 Deleted Rules

The lists of the rules recommended for deletion for Systems, Subsystems, and Components are contained in Tables 2-1, 2-2, and 2-3. A specific reason is included for each rule listed.

Table 2-1. List of System Rules Recommended for Deletion

ID No.	System Name	Rule 1	Rule 2	Reason for Delition	
25	A-10	59		Delete Rule: Interview, MAJ Goodwyn A10 Pilot ACC/DOTW Weapons and Tactics Branch, 13 Aug 1997. Replaced by Rule ID# 26	
27	A-10	63		Delete Rule: Not Applicable. Interview, MAJ Goodwyn A10 Pilot ACC/DOTW Weapons and Tactics Branch, 13 Aug 1997.	
28	A-10	67		Delete Rule: Not Applicable. Interview, MAJ Goodwyn A10 Pilot ACC/DOTW Weapons and Tactics Branch, 13 Aug 1997.	
30	A-10	101	101	Delete Rule: Not Significant. Interview, MAJ Goodwyn A10 Pilot ACC/DOTW Weapons and Tactics Branch, 13 Aug 1997.	
40	AH-1F	67		Delete Rule: Not siginifcant, replaced by rule ID# 39	
41	AH-1F	75		Delete Rule, Redundant rule, See ID# 39	
47	AH-1F	86		Delete Rule: This is too restrictive. Pilot has options. Delete as a red condition. It is included in yellow condition (> 5000 ft).	
48	AH-1S	7		Delete Rule: No longer in inventory.	
49	AH-1S	24		Delete Rule: No longer in inventory.	
50	AH-1S	32		Delete Rule: No longer in inventory.	
51	AH-1S	33		Delete Rule: No longer in inventory.	
52	AH-1S	56		Delete Rule: No longer in inventory.	
53	AH-1S	60		Delete Rule: No longer in inventory.	
54	AH-1S	61		Delete Rule: No longer in inventory.	
55	AH-1S	62		Delete Rule: No longer in inventory.	
56	AH-1S	63		Delete Rule: No longer in inventory.	
57	AH-1S	67		Delete Rule: No longer in inventory.	
58	AH-1S	75		Delete Rule: No longer in inventory.	
59	AH-1S	77		Delete Rule: No longer in inventory.	
60	AH-1S	79		Delete Rule: No longer in inventory.	
61	AH-1S	80		Delete Rule: No longer in inventory.	
62	AH-1S	85		Delete Rule: No longer in inventory.	
63	AH-1S	86		Delete Rule: No longer in inventory.	
77	AH-64	83		Delete Rule: Not significant.	
79	AH-64	86		Delete Rule: This is too restrictive. Pilot has options. Delete as a red condition. It is included in yellow condition (> 5000 ft).	
84	C-12	68		Delete Rule: No longer in TM. Included in rule ID# 83	
86	C-12	79		Delete Rule: Included in Rule ID# 87	

ID No.	No. System Rule 1 Rule 2		Rule 2	Reason for Delition		
99	CH-47D	87		Delete Rule: This is too restrictive. Pilot has options. Delete as a recondition. It is included in yellow condition (> 5000 ft).		
104	CHAPARREL	57		Delete Rule: FM 34-81-1, Appendix B-6, Dec 1992, refers only moderate freezing rain and a moderate degradation. Covered by ID# S103		
113	EH-60A	68		Delete Rule: Replaced by newer reference. See rule ID# 113		
119	EH-60A	86		Delect Rule: This is too restrictive as a red condition; pilot has options. This is included in > 5000 ft. as an amber condition.		
120	EH-60A	87		Delete Rule: Too restrictive, pilot has options. Warning included in rule ID# 121		
123	F-111G	32		Delete Rule: No longer in inventory		
124	F-111G	56		Delete Rule: No longer in inventory		
125	F-15E	52		Delete Rule: Not significant. Interview with MAJ Decesari, Pilot ACC/DOTW Weapons and Tactics Branch, Aug 1997		
127	F-15E	63		Delete Rule: Not significant. Interview with MAJ Decesari, Pilot ACC/DOTW Weapons and Tactics Branch, Aug 1997		
128	F-15E	71		Delete Rule: Not significant. Interview with MAJ Decesari, Pilot ACC/DOTW Weapons and Tactics Branch, Aug 1997		
129	F-15E	98	98	Delete Rule: Not significant. Interview with MAJ Decesari, Pilot ACC/DOTW Weapons and Tactics Branch, Aug 1997		
138	F-16	63		Delete Rule: Not significant. Interview with MAJ Fisher, Pilot ACC/DOTW Weapons and Tactics Branch, Aug 1997		
139	F-16	67		Delete Rule: Not significant. Interview with MAJ Fisher, Pilot ACC/DOTV Weapons and Tactics Branch, Aug 1997		
142	F-4G	32		Delete Rule: No longer in inventory		
143	F-4G	56		Delete Rule: No longer in inventory		
148	M109 SP HOWITZER	21		Delete Rule: TM 9-1025-211-10, Jan 1991, Operator's Manual for 155mm Howitzer (M109) says nothing about artillery tube temperature. Para 2-31 says to "oil frequently in hot climates".		
153	MLQ-34	25		Delete Rule: Absolutely no reference in FM 34-81-1, Dec 1992. No other sources found.		
154	MLQ-34	26		Delete Rule: Absolutely no reference in FM 34-81-1, Dec 1992. No other sources found.		
155	OH-58C	24		Delete Rule: Not significant. Based on comments in TM 55-1520-228-10, Para 8-36, Jun 1996		
162	OH-58C	75		Delect Rule: No longer significant		
164	OH-58C	77		Delete Rule: Not necessary. See rule ID# 163		
168	OH-58C	86		Delete Rule: This is too restrictive as a red condition, Pilot has options. It is included in > 5000 ft as an amber condition.		
169	OH-58D	24		Delete Rule: Based on comment in TM 55-1520-248-10, Para 8-36, May 1997		
172	OH-58D	68		Delete Rule: Duplicate of ID# 171		
175	OH-58D	77		Delete Rule: Not necessary. Covered in Sys ID# 174		
179	OH-58D	86		Delete Rule: This is too restrictive as a red condition, pilot has options. It is included in > 5000 ft as an amber condition.		
180	OV-1	28		Delete Rule: No longer in inventory		
181	OV-1	29		Delete Rule: No longer in inventory		
182	OV-1	32		Delete Rule: No longer in inventory		
183	OV-1	56		Delete Rule: No longer in inventory		
184	OV-1	77		Delete Rule: No longer in inventory		
185	OV-1	78	ļ	Delete Rule: No longer in inventory		
186 187	OV-1	79	-	Delete Rule: No longer in inventory		
192	PPS-5B	80 64	-	Delete Rule: No longer in inventory Delete Rule: TM11-5840-298-12, Jun 1967, Operator's Manual makes no		
192	FF3-3D	64		mention of this wind impact in unusual conditions.		

ID No.	System Name	Rule 1	1 Rule 2	Reason for Delition		
193	PPS-5B	65		Delete Rule: TM11-5840-298-12, Jun 1967, Operator's Manual makes no mention of this wind impact in unusual conditions.		
199	RC-12	68		Delete Rule: No mention in TM 55-1510-218-10, Feb 1994		
201	RC-12	79		Delete Rule: Not significant. See Rule ID# 202		
205	TPQ-36	70		Delete Rule: Covered by ID# 204		
210	TPQ-37	141	141	Delete Rule: TM11-5840-355-10-1, Jul 1981, Operator's Manual makes no mention of this impact in unusual conditions		
211	TPQ-37	142	142	Delete Rule: TM11-5840-355-10-1, Jul 1981, Operator's Manual makes no mention of this impact in unusual conditions		
212	TRQ-32V	21		Delete Rule: No reference or record of system in DA PAM 25-30 ,Army Index of Publications and Forms, 1 Oct 1997		
213	TRQ-32V	24		Delete Rule: No reference or record of system in DA PAM 25-30, Army Index of Publications and Forms, 1 Oct 1997		
214	TRQ-32V	90		Delete Rule: No reference or record of system in DA PAM 25-30, Army Index of Publications and Forms, 1 Oct 1997		
218	TSQ-138	26		Delete Rule: Conbined in Rule ID# 217		
222	UAV	35		Delete Rule: Old rule for pointer UAV		
223	UAV	52		Delete Rule: Delete and replace with link to component rules for TV/Direct view sight and thermal sight since there are subsystems on UAV.		
224	UAV	53		Delete Rule: Delete and replace with link to component rules for TV/Direct view sight and thermal sight since there are subsystems on UAV.		
226	UAV	59		Delete Rule: Delete and replace with link to component rules for TV/Direct view sight and thermal sight since there are subsystems on UAV.		
227	UAV	60		Delete Rule: Delete and replace with link to component rules for TV/Direct view sight and thermal sight since there are subsystems on UAV.		
228	UAV	64		Delete Rule: Redundant. See rule ID# 231		
230	UAV	67		Delete Rule: This applies to "Printer" UVA not "Hunter"		
235	UAV	93	93	Delete Rule: Replace by rule ID# 234		
240	UH-1	67		Delete Rule: redundant with rule ID# 239		
247	UH-1	86		Delete Rule: This is too restrictive as a red condition, pilot has options. It is included in > 5000 ft as an amber condition.		
253	UH-60	68		Delete Rule: Redundant. See Rule ID# 252.		
259	UH-60	86		Delete Rule: This is too restrictive as a red condition, pilot has options. It is included as an amber condition in > 5000 ft.		

Table 2-2. List of Subsystem Rules Recommended for Deletion

ID No.	Subsystem Name	Rule 1	Rule 2	Reason for Deletion
7	120MM GUN	44		Delete Rule: No reference in FM 34-81-1, Dec 1992. Distance included in ID# 6 as an amber.
13	30MM MACHINE GUN	74		Delete Rule: Personal interview with SME, 14 Nov 1997, CW4 Ronald C. Moring, Regiment Master Gunner, 229 Attack Helicopter Regiment, Ft. Bragg, NC.
25	FIRING SYSTEM	19		Delete Rule: No longer valid. USAFAS POC SFC Saeda, 3 Dec 1997
26	GENERATOR	1		Delete Rule: Not ncesessary since amber value is now 8000 meters
41	HEMTT TRUCK	54		Delete Rule: Too restrictive, included in Rule ID# 40 as an Amber condition.
42	HEMTT TRUCK	58		Delete Rule: Too restrictive, included in Rule ID# 43 as an Amber condition
45	HET TRUCK TRACTOR	54		Delete Rule: Too Restrictive. Included in Rule ID# 44 as an Amber condition
46	HET TRUCK TRACTOR	58		Delete Rule: Too restrictive. Included in Rule ID# 47 as an Amber condition

ID No.	Subsystem Name	Rule 1	Rule 2	Reason for Deletion	
56	MAVERICK	35		Delete Rule: No reference in T.O.1-1M-34 for this condition. Pilots say it is a matter of searching out an alternative solution.	
67	OH-58 ENGINE	68		Delete Rule: Incorporated in OH-58C System Rule ID# 161.	
68	PERSONNEL MOVEMENT	28		Delete Rule: Too restricitive. FM 90-22 talks only of deep snow. See Rule ID# 69	
71	PERSONNEL MOVEMENT	55		Delete Rule: Too restrictive. FM 90-22 does not specifically mention freezing rain. See Rule ID# 72.	
74	PERSONNEL MOVEMENT	59		Delete Rule: FM 90-22, Jan 1991 and TBM 81, Sep 1976 speak only of deep snow. See Rule ID# 73	
77	PPS-5B BATTERY	8		Delete Rule: No mention of this temperature sensitivity in TM 11-5840-298-12, Para 3-28, Jun 1986	
88	STINGER- GRND	97	97	Delete Rule: Personal interviews with SME, 19 Nov 1997. CWR James D. Morgan, Master Gunner, 82 Aviation Brigade, Ft Bragg, NC. This is a "see and strike" weapon. Cloud bases and cover not significant.	
89	STINGER- GRND	102	102	Delete Rule: Personal interviews with SME, 19 Nov 1997. CWR James D. Morgan, Master Gunner, 82 Aviation Brigade, Ft Bragg, NC. This is a "see and strike" weapon. Cloud bases and cover not significant.	
95	TOW-AIR	60		Delete Rule: TM 9-1425-472-12, Para 2-88, Nov 1990; Unusual condition makes no mention of this impact.	
101	TOW-GRND	59		Delete Rule: TM 9-1425-472-12, Para 2-88, Nov 1990; Unusual conditions makes no mention of this impact.	
103	TOW2-AIR	60		Delete Rule: TM 9-1425-472-12, Para 2-88, Nov 1990; Unusual conditions makes no mention of this impact.	
109	TOW2-GRND	59		Delete Rule: TM 9-1425-472-12, Para 2-88, Nov 1990; Unusual conditions makes no mention of this impact.	
113	TRACKED PLATFORM	41		Delete Rule: Personal interview with CSM Donald Schwab HHC1-52 Armored Battalion, North Carolina Army National Guard, Ft. Bragg, NC. 12 Nov 1997. Not significant.	
117	TRQ-32V	89		Delete Rule: No reference or record of system in DAPAM 25-30, Army Index of Publications and Forms, Oct 1997.	
118	TRQ-32V ANTENNA	32		Delete Rule: No reference or record of system in DAPAM 25-30, Army Index of Publications and Forms, Oct 1997.	
119	TRQ-32V ANTENNA	64		Delete Rule: No reference or record of system in DAPAM 25-30, Army Index of Publications and Forms, Oct 1997.	
120	TRQ-32V ANTENNA	66		Delete Rule: No reference or record of system in DAPAM 25-30, Army Index of Publications and Forms, Oct 1997.	
125	UH-60 ENGINE	63		Delete Rule: Replaced by Ssytem Rule ID# 252	
126	UH-60 ENGINE	68		Delete Rule: Not necessary, covered in rule SYS ID# 252	
129	VRC-46	19		Delete Rule: TM 11-5820-401-10-2, Aug 1995. Operator's Manual makes no mention of hot temperatures anywhere.	

Table 2-3. List of Component Rules Recommended for Deletion

ID No.	Component Name	Rule 1	Rule 2	Reason for Deletion
1	30 MM MACHINE GUN	46		Delete Rule: Redundant with Subsystem Rule #ID 12
2	AN/MPQ-53 (PATRIOT RADAR ANT)	55		Delete Rule: TM9-1430-601-10-1, Operator's Manual makes no mention of any impact from freezing rain, May 1997
3	AN/MPQ-53 (PATRIOT RADAR ANT)	57		Delete Rule: TM9-1430-601-10-1, Operator's Manual makes no mention of any impact from freezing rain, May 1997

ID No.	Component Name	Rule 1	Rule 2	Reason for Deletion	
4	AN/MPQ-53 (PATRIOT RADAR ANT)	58		Delete Rule: TM9-1430-601-10-1, Operator's Manual makes no mention of any impact from snow, May 1997	
5	AN/MPQ-53 (PATRIOT RADAR ANT)	59		Delete Rule: TM9-1430-601-10-1, Operator's Manual makes no mention of any impact from snow, May 1997	
14	COPPERHEAD	107	107	Delete Rule: Redundent with rules ID# 12 and 13.	
37	NIGHT VISION SIGHT	21		Delete Rule: Could not validate and may be too system specific for general class of all night vision sight.	
40	OA-9054 ANTENNA	69		Delete Rule: Could not find any reference material.	
41	OA-9054 ANTENNA	71		Delete Rule: Could not find any reference material.	
68	TOW- COMMON	9		Delete Rule: Redundant with Rule ID# 67 and reference to - 10 F not found.	
74	TOW2- COMMON	9		Delete Rule: Redundant with Rule ID# 73 and no reference found to - 20 F.	

2.4.2 Summary Comments on Changes

A summary of the number and types of changes is contained in Table 2-4.

Table 2-4. Summary of Changes

	No. of Rules	No. of Color Changes	No. of Impact Changes	No. of CV Changes	No. Deleted
Systems	259	46	117	115	84
Subsystems	137	12	51	57	28
Components	97	3	27	30	11

2.4.3 New Critical Value Data

No new CV data were added to the existing IWEDA rule base because of potential confusion with the existing numbering system. However, several potential rules and CVs were identified and are included in Table 2-5.

Table 2-5. Potential New Critical Values and Rules

Item Name	New Critical Value			New Color	New Impact Statement	New Source
	Parameter	Operator	Value			
2.75" Rocket	Gust Spread	>=	10 kt	Amber	Wind gust spread >= 10 kt degrades target impact effectiveness.	Personal interview with SME, 14 Nov 97, CW4 R. Moring, Master Gunner, 229 Attack Helicopter Reg., Fort Bragg, NC.
Maverick	Temperature	<	-45 °F	Amber	Maverick motors should not be operated in temperatures <-45 °F	AFT01-1M-34, May 91, Para 1-102.41
Maverick	Temperature	>=	131 °F	Amber	Maverick motors should not be operated in temperatures >131 °F.	AFT01-1M-34, May 91, Para 1-102.41
Tow Gnd	Temperature	>	140 °F	Amber	Tow missile will not operate properly at temperature >140 °F.	TM9-1425-472-12, Jan 80, Para 2-76

3. IWEDA COMMENTS

Two types of comments are included in this section. First are comments on the general design, operation, and content of the entire IWEDA system. The second series of comments deals specifically with the software aspects of IWEDA.

3.1 GENERAL IWEDA COMMENTS

Some of the comments and questions raised in this paragraph have proposed solutions or answers. Other issues require detailed analysis and evaluation, which is beyond the scope of this report. However, they are identified because of their importance to the overall IWEDA effort.

3.1.1 Threat Critical Values

There are some CVs for threat systems. However, the number and types of systems and operations are limited.

The CV database and the rule sets that have been developed for threat systems need to be expanded to include a broader range of systems and operations. In addition to the normal threat systems, which are usually considered systems from the old Soviet Block countries, information on systems available from U.S. allies or through arms dealers from any source should be included since it might be used by forces opposing the United States in small regional conflicts. Contact should be reinitiated with the National Ground Intelligence Center (NGIC) and other national-level intelligence agencies to establish the need for this information and to establish a priority for the completion of this effort. Security issues must be addressed here and as the Army-wide CVDB expands.

3.1.2 Rule Editor

One of the initial comments from users of IWEDA was a request for a rule editor allowing the local user to change the preset CVs. The ARL-W has developed a working version of a rule editor to temporarily (locally) modify the default values in IWEDA. This rule editor will allow the staff weather officer (SWO) to change the CVs for systems and/or operations to meet local requirements.

The inclusion of a "local rule editor" in some versions of IWEDA will create the potential for serious misunderstandings about the impact of weather on systems and operations among various levels of command and/or units unless an official Army position on how to use the rule editor capability is clearly articulated. The need for, implications of, and doctrinal approval of an IWEDA rule editor must be

resolved through coordination among such organizations as USAIC&FH WST, DAMI-POB, and ARL-W.

3.1.3 IWEDA Concept of Operations

The current version of FM 34-81, Weather Support for Army Tactical Operations, dated August 1989, does not include any official doctrine or procedures for, or even any mention of, IWEDA. Also, no official or unofficial doctrine on IWEDA's use for Army weather support is known Army-wide. However, some documentation and training are furnished by the New Equipment Training Team (NETT) for IMETS II on the operation of IWEDA.

At least two versions of IWEDA exist that can be used by weather personnel and Army weather support customers. The Unix-based version operating on the IMETS II will only have a very limited distribution because only 12–14 IMETS II will be fielded. The Disc Operating System- (DOS) based version of IWEDA is operable on most laptop computers. Every weather team at any level can use this version. In addition, copies of this version are provided to officers attending the Military Intelligence Officers Advanced Course at Fort Huachuca. It is estimated that approximately 800 copies of IWEDA will be distributed annually to U.S. Army officers who will be S-2s at tactical units throughout the Army.

A formal document should be published that contains guidance, doctrine, and/or procedures for the operation of both versions of IWEDA. This document should be in addition to the currently available IWEDA User's Guide and any NETT training or documentation. This document should also include information concerning when and how to use the IWEDA rule editor as mentioned in Subsection 3.1.2.

3.1.4 Multiple Versions of IWEDA

As discussed in Subsection 3.1.3, multiple versions of IWEDA, both DOS- and Unix-based, exist in the field. The capabilities and CV rule bases of each system are different. The differences in capabilities of each version, for example, manual versus automated weather input and fixed rules versus the availability of an editing function, present some source of potential confusion. However, each version will also have a different CV rule base. Current plans do not include updating the CV rule base for the DOS-based version of IWEDA. As previously mentioned, more and more copies of the DOS-based version will be available and used in the field. The potential problems and conflicts that can rise between the two IWEDA versions are obvious and should not be allowed to occur.

All versions of IWEDA, DOS-based, or Unix-based, should have similar capabilities. At a minimum they all *must* have the same CV rule bases.

3.1.5 Turbulence/Icing Levels

When the Unix version of IWEDA shows either a red or amber impact for icing or turbulence it does not tell the user the altitude of the phenomena. The flight level of the aircraft is not considered. In this situation, high-level turbulence or icing could falsely negate an Army aircraft mission operating at a much lower level. Therefore, whenever a turbulence or icing rule is fired it must include the base and top of the turbulence or icing layer.

3.2 SPECIFIC IWEDA SOFTWARE COMMENTS

No changes were made to the construction, documentation, management, and maintenance of the actual IWEDA software. The following paragraphs sketch out additional capabilities and architectural considerations that must be eventually considered as IWEDA grows.

3.2.1 IWEDA "Zoom" Capability

The original intent of IWEDA was to tell the commander clearly where, when, and why weather would impact an area of interest or a specific operational area. When viewing the geographical representations of locations where weather impacts will occur, the commander can immediately see if the red or the amber impact occurs in a specific area of operation. However, when viewing the "when" or "why" representations in a matrix display, it is not immediately clear whether the red or amber warning applies to the specific operational area or to the larger area of interest.

A zoom capability for IWEDA should be developed that allows the user to identify a specific area of operation and then receive graphical displays, both geographic and matrix formats, which display only the weather occurring within the specified area in place of the entire Battlescale Forecast Model (BFM) window.

3.2.2 IWEDA "What-If" Capability

A "what-if" module should be made available on all versions of IWEDA. The what-if module will highlight the tradeoffs among systems, subsystems, and components with respect to the forecast weather and its impending effects.

The module would allow the SWO user to alter incrementally the weather database used in IWEDA and immediately see the repercussions with respect to weather effects. This capability is of obvious merit in training the SWO to understand the impact of the forecast upon the user and is also an

invaluable tool when weather conditions are in a state of flux and the SWO desires to ascertain quickly the effects of rapidly changing meteorological conditions.

The non-SWO user, while not having access to manipulating the weather data, is able to view the results of altering the mission and/or system configurations efficiently. The what-if module will, for example, allow the user to compare and contrast the effect of substituting one type of helicopter for another, or selecting different missiles or armament.

3.2.3 War/Peace Switch

Many of the rules contained within IWEDA are based on limits imposed by peacetime constraints (e.g., safety of flight regulations). These limits may be significantly higher than the actual operational limits of the system. In a war scenario many of these peacetime constraints may be waived.

A capability should be included in IWEDA that would allow the commander to toggle between the two sets of values and observe the effect of the weather on less stringent wartime criteria.

3.2.4 IWEDA System Architecture

The overall IWEDA system architecture needs to be reviewed and evaluated for several reasons. How does it fit into the Army software world? Is the IWEDA system big enough to contain the 5000 rules or must the system be redesigned? As more threat systems CV rules are developed, security becomes an increasingly significant issue that must be addressed early and comprehensively.

As the CV database is increased in size the systems engineering design for IWEDA should be reevaluated. There may be faster, more efficient ways to design and operate the internal inference engine in IWEDA, especially if the current barebones IWEDA is enhanced to become a more user-friendly system with more capabilities and the CV rule base is expanded to several thousand rules. Laptop compatibility must be a consideration for the Unix version.

As the size of the CV rule base increases, it will be necessary to design and implement procedures (capabilities) in IWEDA that will allow users to limit IWEDA easily to specific systems that are of interest to them, for example, only systems in their own Modified Table of Organization and Equipment (MTOE).

3.2.5 Climatology Training Packages for Use with IWEDA

As the use of IWEDA becomes more widespread (e.g., Military Intelligence officers incorporating IWEDA into their Intelligence Preparation of the Battlefield [IPB] products), the need for readily available, easy to use geographically and meteorologically varied weather data will increase.

A series of climatologically-based databases should be developed for use on IWEDA, in addition to using data produced by the BFM. The IWEDA system could be modified so that any user can easily input the climatology data for planning, training, or for a local exercise. This system modification will be more realistic than using "canned weather" for these activities. Dr. Paul Krause of the U.S. Army Topographic Engineering Center has developed a "Typical Day Generator" that might be adapted to assist in the quick preparation of the climatology packages for various locations at different times of the year.

4. CONCLUSIONS AND RECOMMENDATIONS

IWEDA, and its associated rule base, has become an accepted operational weather support decision aid. Its continued acceptance and utility will depend to a great extent on the quality and quantity of its knowledge base and its compatibility with host systems, ease of use, and the technical capabilities of its software. The conclusions and recommendations in this section summarize the results of the validation efforts and suggestions aimed at ensuring that IWEDA continues as a respected and accepted weather support asset.

4.1 CONCLUSIONS

The results of this effort, to validate the rules currently found in IWEDA II, highlight two major conclusions. First, rules quickly become outdated as systems change. Second, data collection is a long, resource intensive process involving both library research and personal interviews.

The Army-wide CV database being prepared by the WST must be viewed as a continuing, ongoing program. The current effort cannot be completed and then placed on the shelf, forgotten, and not maintained. Systems are upgraded and replaced resulting in a constantly changing set of CVs. Technology is improved making weather forecasting and observing more accurate and sensitive to the scale of products required on the battlefield. A system must be established that maintains this newly developed Army-wide database to ensure that IWEDA, and all other users, always have current and accurate CV data.

The magnitude of the effort required to establish an Army-wide CV database cannot be underestimated. The lack of a system to identify CV data during system development results in a loss of critical information for the warfighter and a significant workload for the CV database builder. No central library exists where all applicable Army publications (e.g., technical manuals and field manuals) can be obtained for easy careful review. All libraries do not always maintain the current version of every reference document they have on their shelves. Multiple Army centers, schools, tactical units, and other institutions must be visited to obtain and review the documents and interview the SMEs who can provide the expertise required to make the CV database a creditable program. The Army must be willing to dedicate the resources to build and maintain a creditable IWEDA CV database.

4.2 RECOMMENDATIONS

The following recommendations are listed in priority order of importance. They were described in the preceding sections. Each topic contains a brief summary and the paragraph number where more detailed information is presented.

- 1. **Multiple Versions of IWEDA (3.1).** Ensure that all system capabilities and CV rule bases are similar and consistent regardless of the platform on which they operate.
- 2. IWEDA Concept of Operations (3.1). Develop and distribute a concept for the integrated operational use of the Unix- and DOS-based versions of IWEDA.
- 3. IWEDA System Architecture (3.2). Ensure that as IWEDA capabilities are expanded that the design and architecture of IWEDA are compatible with the Army's C4I design and architecture.
- 4. Critical Value Collection (4.1). Dedicate resources to the collection of Army-wide CV data to result in a creditable initial product.
- 5. Rule Editor (3.1). Develop and distribute a policy on the use and operation of the IWEDA rule editor to eliminate the potential for conflicts during its use.
- 6. Maintaining Critical Values (4.1). Establish a system that routinely identifies, collects, validates, and maintains all CV data.
- 7. What-If Capability (3.2). Develop the capability to evaluate tradeoffs between different systems and marginally different weather forecasts.
- 8. Threat Critical Values (3.1). Expand the threat portion of the rule base to include not only systems from the old Soviet Block but also systems sold by U.S. allies or third world countries.
- 9. Turbulence/Icing Levels (3.1). Include in the rules bases and tops of turbulence/icing layers for comparison to flight level of Army aircraft.
- 10. Climatology Training Packages for use with IWEDA (3.2). Develop a series of climatologically-based weather data modules for use in IWEDA for training, planning, and local exercises.
- 11. War/Peace Switch (3.2). Develop the capability to toggle between potentially more stringent peacetime constraints and potentially more relaxed wartime restrictions.
- 12. **IWEDA Zoom Capability (3.2).** Develop the capability to limit weather impacts displayed to the weather contained in a specific area of operation.

APPENDIX A. ORIGINAL STATEMENT OF WORK

8 November 1996

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STATEMENT OF WORK Modernized Army Weather Support and Organization

- 1. OBJECTIVE. Evaluate and recommend architectures in two areas:
- a. Required management structure linking interacting major Army commands (MACOM), agency staffs, and research and development (R&D) agencies.
- b. Best method to develop and employ technical capability to display weather information to the warfighter.

2. BACKGROUND.

- a. Mission. The recommended management structure upon implementation will manage over \$40 million per year in Army operational support funding and in research and development (R&D) and deliver critical weather effects information to the warfighter. HQDA ODCSINT reported in the FY97 Federal Plan for Meteorological Services and Supporting Research for the use of Congress and the Executive Branch the Army would spend \$23.7M for operational support and \$19.6M in R&D.
 - (1) There is no single management structure overseeing the operational expenditure or directly linking warfighter weather requirements to weather R&D programs. All programs are well intended in their own right, but not focused on high payoff areas responsive to warfighter needs. Better management can combine parallel acquisitions and research to save resources and develop what the warfighter needs in this key, but often overlooked, part of combat intelligence. Better weather management structure could enable information from TECOM Meteorological (Met) teams testing activities to identify weather effects critical threshold values and apply them to tactical decision aids for warfighters.
 - (2) Automated weather tactical decision aids can provide valuable information to enable commanders to use smart munitions more effectively in adverse weather conditions. For example, during DESERT STORM in Battle of 73 Easting, the exchange ratio during low visibility, using bad weather tactics, was 144 Iraqi loses to 2 U.S. Army loses. This kind of result can be preplanned by knowing our own limitations, comparing them to threat limitations in adverse weather, and selecting the most effective mix of smart weapons systems and sensors. This approach can be maximized in Information Operations. A "hi-tech" approach to digital weather presentations, overlaid on the common relevant picture, visualization of weather in mission planning systems, and interchange of seamless current and forecast weather are key parts of Information Operations that need to be developed.
 - (3) To achieve these objectives, improved management of Army R&D must focus Army capabilities on developing and acquiring the assets to observe and forecast weather in field conditions on a higher level of resolution and to identify limitations on friendly and threat systems with the clear objective to exploit differences in limitations through Information Operations. Training Army soldiers on the importance of weather integration into operations is needed in core officer and NCO curricula, and in MI and combat arms OBC/OACs.

Prior Efforts. None that can be determined.

- 3. TASKS Describe what is to be done.
- a. Identify and adequate management organization and charter needed to manage Army weather programs and support functions.
 - (1) Identify key positions in HQDA. ODCSINT/DAMI-POB and ODCSOPS/DAMO-FDI, identify key positions in HQDA, ASA(RDA); TRADOC Headquarters, Centers, and Schools; Army Materiel Command and its major subordinate commands; U.S. Army Medical Research Command: U.S. Corps of Engineers; warfighting major commands needed to successfully manage the Army weather functional area.
 - (2) Identify deficiencies where key positions are needed but not filled.
 - (3) Describe process and organization to manage resources (acquisition programs, operational personnel, equipment, and supporting R&D).
 - (4) Describe a management process within current acquisition procedures to combine several low priority weather support requirements from several individual battlefield operating systems or functional areas within TRADOC to effectively build a consolidated support base to get funding for the capabilities the warfighter needs.
 - (5) Outline a plan and methodology to specify how the organization, recommended above, should be used to build the weather support capabilities Army component commanders need to support a "hi tech" Army force using digital C41 equipment to execute Information Operations.
 - (6) Recommend a procedure to ensure critical weather effect threshold values are collected during testing, archived, and made available to weather effects Tactical Decision Aid developers and program managers to build to support warfighting missions.
- b. Army warfighters need a coherent architecture and plan to develop the capability to provide weather information to them in an easily used and understandable format. This includes tactical decision aids showing impacts on operations overlaid on situation maps and the battlefield visualization of changing forecast weather conditions in mission planning systems, simulations, and in displays of weather satellite cloud movement.
 - (1) Describe high payoff mission areas where better weather information and battlefield visualization could improve Army tactical planning and execution.
 - (2) Describe key schools or training programs needed to formally teach advantages of integrating weather in routine planning procedures and build awareness of the potential adverse effects and process to use weather to the Friendly Force advantage.
 - (3) Recommend key organizations and outline procedures to integrate weather into developing Information Operations and Battlefield Visualization.

- (4) Recommend warfighting functions where better weather effects information should be used, i.e., targeting cells, automated intelligence preparation of the battlefield, rescue and night vision operations, aviation mission planning system, unmanned aerial vehicles, and advanced artillery deep operations, etc.
- c. Review commercial and private sector technologies to determine current availability of hardware and software for Army Research and Development to leverage to help meet the weather intelligence requirements of Army warfighters.

4. DELIVERABLES.

a. Interim report and final bound document. Reference Basic 'K' Contract DD 1423 and the Scientific and Technical Reports data Item A002. The quantify is to be determined. The interim report and final bound document are due six months and one year, from start of study, respectively. Deliver to:

HQDA (DAMI-PPM, Mr. Nolan), Room 2E477 1022 Army Pentagon, Washington, D.C. 20310-1022.

5. CONTROL PROCEDURES.

- a. Reviews will be held quarterly (every three [3] months), with an in-progress review (IPR) to be held six months from start of work.
- b. Monthly status reports will be submitted; reference Basic 'K' Contract DD 1423 and the Scientific and Technical Reports Data Item A002.
- c. Financial expenditures will be submitted monthly; reference Basic 'K' Contract DD 1423 and the Performance and Cost Report Data Item A003.
- 6. GOVERNMENT FURNISHED SUPPORT. To be determined.

APPENDIX B. FIRST MODIFICATION TO STATEMENT OF WORK

18 June, 1997

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Contract #DACA76-93-D-0005 Delivery Order #0005

ADDENDUM TO STATEMENT OF WORK Modernized Army Weather Support and Organization

1. Change the following:

- a. Eliminate existing objective 1.b., Task 3.b., 3.b.(1) through (4), and 3.c. in the current Statement of Work (SOW) and insert new paragraph 1.b. and 3.b. as follows:
- 1.b. Provide enhancements to existing weather support by focusing on immediate payoffs for tactical ground warfighters.
- 3.b. Conclude activities on SOW study objective 1.a. (management structure) as described in paragraph (TASKS) 3.a. (1) (6). Refocus the remainder of the study to the new tasks stated below. This shifts the focus to immediate payoffs for warfighters.
- (1) Review the existing rules for the Integrated Weather Effects Decision Aids (IWEDA), Block II. Confirm the validity of the existing rules and weather effects critical values and recommend changes to rules or critical values, as appropriate.
- (a) Meet with or hold telephone/video conferences with USAIC&FH DCD Weather Section to assist the current state of work in progress. Obtain further guidance from the Weather Section to identify systems and areas of primary importance where contractor should assist.
- (b) Based on guidance from USAIC&FH DCD Weather Section, assist in updating existing IWEDA rules and critical values. Systems and operation used most often to support Major Army Command (MACOM) warfighters will take precedence. The objective is to review IWEDA rules and critical values to ensure MACOM corps/division/ACR/Aviation Brigade warfighters have accurate, reliable, and usable information presented to them when they view the IWEDA displays and map overlays. This includes validating the rules shown when components and subsystems are interrogated to determine why an area is colored red or yellow for a system or operations.
- (c) Visit user communities as required, to access existing Army or Air Force Weather effects databases to ensure current 1997 Army equipment and operational concepts are the basis for existing rules in IWEDA, IMETS Block II.
- (d) Use the USAIC&FH DCD facilities and equipment, including IMETS block II workstations resident at USAIC&FH, to review, modify, or update IWEDA databases and master data files/software.
- (e) Update USAIC&FH DCD Weather Section routinely throughout the process to facilitate expeditious application of contractor work in the larger project to update and enlarge future issues of IWEDA software.
 - (f) In the final bound document for this study:

- 1 List existing IMETS Block II, Integrated Weather Effects Decision Aids (IWEDA) rules for each operation or weapon system. In the list, compare the existing critical values for each rule with the new critical values that have been determined. Document and date the new critical values with source information such as technical manuals, interviews with users, interviews with OPRs (e.g., National Ground Intelligence Center action officers, III Corps units, Test and Evaluation Command (TECOM) Meteorological Teams, etc.). For each subsystem within the major weapon system or operation, list the subsystem, existing critical value, new critical value, and documentation of source of change information. Coordinate documentation procedures with the USAIC&FH DCD Weather section to facilitate direct use of results in the weather effects Critical Values Database.
- 2 List all software changes made for the USAIC&FH DCD Weather Section in IMETS IWEDA software. List will summarize changes made in software.
- (2) Upon completion of IWEDA work above continue to work with USAIC&FH DCD Weather section to build/develop a master list of standard templates/formats/graphic displays (referenced as templates hereafter) for weather information by Battlefield Functional areas (BFA) or Battlefield Operating Systems (BOS) to be hosted in the Block II IMETS software. Software may be on either IMETS workstation, as appropriate.
- (a) First priority are the Aviation BOS templates. Leverage existing USAIC&FH DCD Weather Section Work to develop a final set of aviation templates.
- (b) Next priority for development of templates is Terrain Analysis in Intelligence Preparation of the Battlefield (IPB). USAIC&FH is automating IPB weather analysis to encompass a series of standard graphic products and data fields of weather information. Develop the set of templates needed for planning (based on climatology), and for execution (based on current and forecast weather conditions). Develop a standard set of graphics that meet requirements of Terrain Analysis, tailored for direct, immediate use by current and future terrain systems (i.e., DTSS, CTIS). Templates will be hosted on IMETS Block II and later systems. Templates will become the default set of IPB weather tools to prepare weather analysis products, tailored and ready for direct application into CTIS for further processing in IPB Terrain Analysis.
 - (c) Evaluate and list electro-optical TDA needed by current or emerging weapons systems.
 - (d) In the final bound document for this study:
- $\underline{1}$ Develop/provide a master list of new or modified templates/graphic displays created in the effort.
 - 2 List individual charts, templates, and displays developed.
- <u>3</u> Develop/provide a list of, recommending for future development, all TDA not yet developed but recognized as needed based on experience in working with users in this effort. For example, this list may include electro-optical tactical decision aids (EOTDA) for an existing system (e.g., Apache Target Acquisition and Designation System/Pilot Night Vision System [TADS/PNVS]) or for new emerging systems (e.g., Commanche stealth technology).

- 4 Develop/provide a checklist of procedures to develop and validate the user of an IWEDA tactical decision aid.
- (e) Provide USAIC&FH DCD and PD IMETS hard copies of each new template and provide software copies of the templates on disk or other media required by USAIC&FH DCD Weather Section, with information copy to DAMI-POB.

APPENDIX C. STC LETTER REQUESTING EXTENSION



SCIENCE and TECHNOLOGY CORP.

101 Research Drive, Hampton, Virginia 23666-1340 USA Telephone: (757) 865-1894 Fax: (757) 865-1294 Home Page: http://www.stcnet.com

REPLY TO ATTN OF: STC CONTRACTS DEPT CONTRACTS@STCNET.COM

6293-005

28 August 1997

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US Army Topographic Engineering Center Contracts Office, CETEC-CT, Ms. May M. Lew 7701 Telegraph Road Alexandria, Virginia 22315-3864

Reference:

Contract No. DACA76-93-D-0005, Delivery Order No. 0005

Subject:

Request for Completion Date Extension

Dear Ms. Lew:

Science and Technology Corporation (STC) requests that the completion date of the referenced delivery order be extended through 31 March 1998, at no additional cost to the Government.

This extension is requested to allow additional time to complete the delivery order requirements as a result of two additional subtasks to the Statement of Work (SOW) authorized by Modification No. 000502: Paragraph 3.b.(1), which requires validation of IWEDA rules (IWEDA subtask); and Paragraph 3.b.(2), which requires the development of a list of templates/graphic displays (template subtask).

Based on a new completion date of 31 March 1998, STC proposes the following revised delivery schedule:

- Technical effort on the original SOW tasks and on the IWEDA subtask will be completed with all deliverables submitted by 12 December 1997 (the original due date).
- Technical effort on the template subtask will be completed with all deliverables submitted by 31 March 1998.

6293-004 Ms. May Lew, TEC 28 August 1997 Page 2

The revised delivery schedule and completion date extension, as proposed, has been coordinated with the following Government technical representatives: Ms. Joni Jarrett, COTR; Mr. Steve Nolan, Technical Monitor, DAMI-IFM; and Mr. Lee Page, Technical Monitor, DAMI-POB. Coordination and concurrence was obtained on this date per telecon between Mr. Steve Nolan and Mr. Carl Chesley of STC.

Your consideration of our request is appreciated. If you have any questions of a technical nature, please contact Mr. Chesley at our Hampton Technical Office, (757) 865-0467; please direct all other questions to Ms. Carla A. Coombs, Sr. Contract Administrator, at our Hampton Corporate Office (757) 865-1894.

Sincerely,

Edward G. Bimler

Vice President - Contracts

CAC/

cc: Mr. Steve Nolan, DAMI-IFM

Mr. Lee Page, DAMI-POB

Ms. Joni Jarrett, USATEC COTR

APPENDIX D. LIST OF IWEDA DEVELOPMENT REFERENCES

IWEDA Development References:

- Chesley, C. H., W. G. Maunz, A. R. Spillane, and S. L. Eure, 1991: Evaluation of the U.S. Army Atmospheric Sciences Laboratory Weather Decision Aids. STC Technical Report 2471, Science and Technology Corporation, Hampton, Virginia.
- Chesley, C. H., W. G. Maunz, A. R. Spillane, and S. L. Eure, 1992: Software Engineering Plan for the U.S. Army Atmospheric Laboratory's Integrated Weather Decision Aid (IWEDA) Software Program. STC Technical Report 2582(1), Science and Technology Corporation, Hampton, Virginia.
- Chesley, C. H., W. G. Maunz, A. R. Spillane, S. L. Eure, and P. J. Shaw, 1992: Engineering Plan of the Integrated Weather Effects Decision Aids (IWEDA) Software Program. STC Technical Report 2582, Science and Technology Corporation, Hampton, Virginia.
- Chesley, C. H., A. R. Spillane, W. G. Maunz, and T. J. Dube, 1994: Integrated Weather Effects Decision Aid (IWEDA), Version 1.10a Final Status Report. STC Technical Report 2885, Science and Technology Corporation, Hampton, Virginia.
- Maunz, W. G., C. H. Chesley, and A. R. Spillane, 1993: Development of Integrated Weather Effects Decision Aid (IWEDA) Software. STC Technical Report 6235, Science and Technology Corporation, Hampton, Virginia.

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APPENDIX E. ORGANIZATIONS AND PERSONNEL VISITED

Organizations and Personnel Visited

Organization/Unit	Location	Personnel (As appropriate)
Fort Huachuca MOS Library	Fort Huachuca, AZ	
Tactical, training units	Fort Huachuca, AZ	
UAV test unit	Fort Huachuca, AZ	
Weapons and Tactics Branch	HQ ACC, VA	Majors R. Goodwyn, C. Fisher, M. Decesari, and W. Montgomery
Main Post Library	HQ TRADOC, VA	
Aviation Applied Technology Directorate of the Aviation Support Facility	Fort Eustis, VA	Mr. J. Benham
CH-47 Support Facility	Fort Eustis, VA	Mr. M. Sloan
Aviation and Transportation School Library	Fort Eustis, VA	
7th Transportation Group	Fort Eustis, VA	Mr. K. Winget
6th Transportation Battalion	Fort Eustis, VA	SSgt D. Fuller, Sgt S. Gibbs, Sgt J. Moore
MOS library	Fort Eustis, VA	
18 Weather Squadron	Fort Bragg, NC	Lt Col D. Smarsh, SMSgt M. Gideons, Capt L. Rourke
Main Post ALC	Fort Bragg, NC	Mr. M. Cates
229th Attack Helicopter Regiment	Fort Bragg, NC	CW4 R. Moring
HHC 1-52 Armored Battalion	Fort Bragg, NC	CSM D.Schwab
Old Division Area ALC	Fort Bragg, NC	Mr. R. Browning, Mr. J. Cherry
82 nd ALC	Fort Bragg, NC	Mr. D. Minshear, Mr. J. Anderson
82 nd Aviation Brigade	Fort Bragg, NC	CW4 J. Morgan
XVIII Corps Artillery ALC	Fort Bragg, NC	Mr. J. Manning, Mr. V. Di Lorenzo
Material Maintenance Division	Fort Bragg, NC	
Weather Support Team, USAIC&FH	ARL-W	Mr. D. Adamson
IMETS Project Office	ARL-W	Mr. J. Swanson
Weather Exploitation Branch	ARL-W	Dr. R. Shirkey
HQ AWS/XPPP	ARL-W	MSGT C. Imhof
DCD, USAAVNC	ARL-W	Capt D. Bray
AMPS Program Office	ARL-W	Mr. J. Donnely

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APPENDIX F. LIST OF CONDENSED IMPACTS BY PRIORITY

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CONDENSED IMPACT WORDS vs. CRITICAL VALUES BY PRIORITY

Parameter	Least Impact Condensed Impact/Value	Moderate Impact Condensed Impact/Value	Worst Impact Condensed Impact/Value
		Condensed Impact Value	Condensed Impactivalue
Thunderstorm	Thunderstorm > None		
Hail	Hail		
	> None		***************************************
Freezing Rain	Freezing Rain	Freezing Rain	Heavy Freezing Rain
3	> None	> Light	> Moderate
Snow	Snow	Snow	Heavy Snow
	≥ 1000 ≤ 9000 Meters	> 400 < 1000 Meters	≤ 400 Meters
Rain	Rain	Rain	Heavy Rain
	> None	> Light	> Moderate
Visibility	Reduced Visibility	Low Visibility	Very Low Visibility
· ioibility	> 4800 ≤ 9000 Meters	≥ 1000 ≤ 4800 Meters	< 1000 Meters
Clouds	Clouds	Low Clouds	Very Low Clouds
Giodas	≥ 3000 Feet	≥ 1000 < 3000 Feet	< 1000 Feet
lcing	Icing Aloft	Icing Aloft	Severe Icing Aloft
lonig	> None	> Light	> Moderate
Turbulence	Turbulence Aloft	Turbulence Aloft	Severe Turbulence Aloft
i di palellos	> None	> Light	> Moderate
Fog	Light Mist	Mist	
rog		≥ 1000 <= 4800 Meters	Fog
Drivato	> 4800 ≤ 9000 Meters	Drizzle	< 1000 Meters
Drizzle	Drizzle		Heavy Drizzle
DI	≥ 1000 ≤ 9000 Meters	> 400 < 1000 Meters	≤ 400 Meters
Blowing Snow	Blowing Snow	Snowstorm	Severe Snowstorm
	≥ 1000 ≤ 9000 Meters	≥ 500 < 1000 Meters	< 500 Meters
Blowing Sand	Blowing Sand	Sandstorm	Severe Sandstorm
	≥ 1000 ≤ 9000 Meters	≥ 500 < 1000 Meters	< 500 Meters
Snow Depth	Shallow Snow	Moderate Snow Cover	Deep Snow
	≥ 1 < 4 Inches	≥ 4 <= 12 Inches	> 12 Inches
Surface Wind	Surface Wind	Strong Surface Wind	Very Strong Surface Wind
	≥ 15 < 35 Knots	≥ 35 < 50 Knots	≥ 50 Knots
Gust	Gust	Strong Gust	Very Strong Gust
	2 15 < 35 Knots	≥ 35 < 50 Knots	≥ 50 Knots
Temperature, Cold	Cold	Very Cold	Extreme Cold
	< 32° >10° F	≤ 10° > -20° F	≤ - 20° F
Temperature, Hot	Hot	Very Hot	Extreme Heat
	≥ 85° < 100° F	≥ 100° ≤ 125° F	> 125° F
Wind Chill	Wind Chill	Low Wind Chill	Extreme Wind Chill
	≥ 32 > 10 F, > 0 knots	≥ 10 > - 25 F, > 0 Knots	≤ - 25° F, > 0 Knots
Dewpoint Temperature	Dewpoint Temperature	High Dewpoint Temperature	Extreme Dewpoint Temperature
	> 65° < 85° F .	≥ 85° < 95° F	≥ 95° F
Relative Humidity	Relative Humidity	Mod Relative Humidity	High Relative Humidity
	< 65 %	≥ 65 to 95 %	> 95 %
Density Altitude	Density Altitude	High Density Altitude	Very High Density Altitude
	> 2000 < 5000 Feet	≥ 5000 < 10000 Feet	≥ 10000 Feet
Pressure Altitude	Pressure Altitude	High Pressure Altitude	Very High Pressure Altitude
	> 2000 to < 5000 Feet	≥ 5000 to < 10000 Feet	≥ 10000 Feet
Stability	Stable Atmosphere	Neutral Atmosphere	Unstable Atmosphere
•	E, F, G	D	A, B, C
U/A Wind	Winds Aloft		- 17 - 1
	> 0	***************************************	
Elevation	Elevation	High Elevation	Very High Elevation
	> 2000 < 5000 Feet	≥ 5000 < 10,000 Feet	≥ 10,000 Feet
Slope	Slope	Moderate Slope	Steep Slope
opo	> 6° < 17°	≥ 17° ≤ 35°	> 35°

APPENDIX G. ALL RULES ALL FIELDS

This appendix contains three sections:

- 1. IWEDA System Rules
- 2. IWEDA Subsystem Rules
- 3. IWEDA Component Rules

IWEDA System Rules

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	IWEDA	A System	Rules				
ID# 1 System Name	!AGS-17!		Rule 1 #		le 2 #	Delete Rule?	N
Old Color 1 New Color 1					nged Color?	N	
		New Param.		Visibility		anged Param. 1	
Parameter 2 # Old Param. 2 ID		New Param.	L			anged Param. 2	
Old Value 1 800	New Valu		800 meters	3		nged Value1?	N
Old Value 2	New Valu				Char	nged Value 2?	
Old Operator 1 < New Opt. 1 <	Changed Opt. 1?		Opt. 2	New Opt. 2		nanged Opt. 2?	
Old Condensed Reduced Visibility Impact	New Co Impact	ndensed	Very Lov	Visibility	Char Impa	nged Condensed ct?	Υ
Old Full impact Visibility less than 800 meters	makes it difficul	t to acquire/	identify targets.				
New Full Impact Visibility < 800 meters makes	it difficult to acqu	uire/identify	targets.				
					Changed	Full Impact?	N
Old Source (Army FM 34-81-1, Battlefield Wes	ather Effects, 199	(2);			Onango.	. an impaor.	لتنا
New Source/ Reason for Delete FM 34-81-1, pg. N-4, Dec 1992							
Comments							
Changed Source? Y	Are There Any (2) Options?	N		Any Chang	ge to Record?	Y
ID # 2 System Name	!AT-3!		Rule 1 #	49 Ru	le 2 #	Delete Rule?	N
Old Color 1 New Color 2				Cha	nged Color?	Y	
	sibility	New Param.	1 ID	Visibility	Ch	anged Param. 1	? N
Parameter 2 # Old Param. 2 ID		New Param.			Ch	anged Param. 2	?
Old Value 1 800	New Val	ue 1	800 meters	5	Chai	nged Value1?	N
Old Value 2	New Val	ue 2			Chai	nged Value 2?	
Old Operator 1 < New Opt. 1 <	Changed Opt. 1?	N Old	Opt. 2	New Opt. 2	C	nanged Opt. 2?	
Old Condensed Reduced Visibility Impact	New Co	ondensed		v Visibility	Chai	nged Condensed	Y
Old Full Impact Visibility less than 800 meters	makes it difficul	t to acquire/	identify targets.				
New Full Impact Visibility < 800 meters makes	it difficult to acq	uire/identify	targets.				
	-Ab	30)-			Changed	Full Impact?	N
Old Source (Army FM 34-81-1, Battlefield We	autier Effects, 199	74),					
New Source/ Reason for Delete FM 34-81-1, Pg. N-4, Dec 1992	Land States						
Comments							
Changed Source? Y	Are There Any (2	2) Options?	N		Any Chan	ge to Record?	Υ

			IWEDA Sy	stem Rui	les				
ID# 3 Syste	m Name	!A!	Γ-3!		Rule 1#	50 F	lule 2 #	Delete Rul	e? N
Old Color 1	New Color 1					Ch	anged Co	lor? N	
Parameter 1 #	26 Old Param. 1 ID	visibility	New P	aram. 1 ID	٧	isibility		Changed Param	1? N
Parameter 2 #	Old Param. 2 ID		New P	aram. 2 ID				Changed Param.	2?
Old Value 1	600		New Value 1	3	000 meters			- Changed Value1?	Y
Old Value 2			New Value 2				Ī	Changed Value 2?	
Old Operator 1	< New Opt. 1	< Chang	ed Opt. 1? N	Old Opt. 2	Ne	ew Opt. 2		Changed Opt. 2	?
Old Condensed Impact	Reduced	Visibility	New Condens Impact	ed	Low Vis	ibility		- Changed Condens Impact?	ed Y
Old Full Impact	Visibility less than 6	i00 meters makes	it difficult to ac	quire/identi	fy targets.				
New Full Impact	Visibility < 3000 me	ers makes it diffi	cult to acquire/i	dentify targe	ets.				
Old Source (A	rmy FM 34-81-1, Batt	lefield Weather E	ffects, 1992);				Cha	nged Full Impact?	Y
New Source/ Reason for Delete	1 34-81-1, pg. N-5, De	c 1992							
Comments								· · · · · · · · · · · · · · · · · · ·	
Changed Source?	Υ	Are Th	ere Any (2) Optio	ns? N			Any C	hange to Record?	Y
ID# 4 System	m Name	[ER]	YX!		Rule 1#	50 R	ule 2 #	Delete Rule	? N
Old Color 1	New Color 1					Cha	anged Col	or? N	
Parameter 1 #	Old Param. 1 ID	visibility	New Pa	aram. 1 ID	Vi	sibility		Changed Param.	1? N
Parameter 2 #	Old Param. 2 ID		New Pa	aram. 2 ID				Changed Param.	2?
Old Value 1	600		New Value 1	6	00 meters			Changed Value1?	N
Old Value 2			New Value 2					Changed Value 2?	
Old Operator 1	< New Opt. 1	< Change	ed Opt. 1? N	Old Opt. 2	Ne	w Opt. 2		Changed Opt. 2	?
Old Condensed Impact	Reduced \	/isibility	New Condense Impact	ed	Very Low \	/isibility		Changed Condense mpact?	ed Y
Old Full Impact	Visibility less than 6	00 meters makes	it difficult to ac	quire/identif	y targets.				
New Full Impact	Visibility < 600 mete	rs makes it diffice	ult to acquire/ide	entify targets	s.				20,000
Old Source (A	my FM 34-81-1, Battl	efield Weather Ef	fects, 1992);				Char	nged Full Impact?	N
New Source/ Reason for Delete	l 34-81-1, pg. N-4, De	c 1992							
Comments									
Changed Source?	Y	Are The	ere Any (2) Optio	ns? N			Any Cl	hange to Record?	Y

		IVVEL	A Sys	tem Kule	25			
ID# 5 Syste	em Name	!LOW BLOW!			Rule 1 # 52 Ru	le 2 #	Delete Rule?	N
Old Color 1	New Color 1			,	Cha	nged Color?	? N	
Parameter 1 #	14 Old Param. 1 ID	rain	New Par	ram. 1 ID	Rain	С	hanged Param. 1	? N
Parameter 2 #	Old Param. 2 ID		New Par	ram. 2 ID		c	hanged Param. 2	?
Old Value 1	1	New V	alue 1		light	Cha	anged Value1?	Y
Old Value 2		New V	alue 2			Cha	anged Value 2?	
Old Operator 1	> New Opt. 1 >=	Changed Opt. 1	1? Y	Old Opt. 2	New Opt. 2		Changed Opt. 2?	
Old Condensed Impact	Precipitation	New C	Condensed t	d	Rain		anged Condensed	d Y
Old Full Impact	Rain of intensity of light or	greater degrades	the effect	iveness of	the radar.			
New Full Impact	Rain of intensity of >= light	degrades the effe	ectivenes	s of the rad	lar.			
Old Source (A	Army FM 34-81-1, Battlefield \	Neather Effects, 19	992):			Change	ed Full Impact?	Υ
	M 34-81-1, pg. N-8, Dec 1992		,,					
Comments								
Changed Source?	Y Y	Are There Any	(2) Ontion	s? N		Any Cha	nge to Record?	Υ
ID# 6 Syste	em Name	!MATHOGO!			Rule 1 # 42 Ru	le 2 #	Delete Rule?	N
Old Color 1	New Color 1					nged Color?	? N	
Parameter 1 #	26 Old Param. 1 ID	visibility	New Par	ram. 1 ID	Visibility	С	hanged Param. 1	? N
Parameter 2 #	Old Param. 2 ID		New Pa	ram. 2 ID		С	hanged Param. 2	? 🗀
Old Value 1	2000	New V	alue 1	20	000 meters	Cha	anged Value1?	N
Old Value 2		New V	alue 2			Cha	anged Value 2?	П
Old Operator 1	<= New Opt. 1 <	Changed Opt. 1	ı? \Upsilon	Old Opt. 2	New Opt. 2		Changed Opt. 2?	
Old Condensed Impact	Reduced Visibilit		Condense		Low Visibility	Cha	anged Condensed	d Y
Old Full Impact	Visibility less than 2000 me	eters makes it diffi	cult to ac	quire/identi	fy targets.			
New Full Impact	Visibility < 2000 meters ma	kes it difficult to a	cquire/id	entify targe	ts.			
Old Source (A	Army FM 34-81-1, Battlefield	Weather Effects, 1	992);			Change	ed Full Impact?	Y
New Source/ Reason for Delete	M 34-81-1, pg. N-5, Dec 1992							
Comments								
Changed Source?	? Y	Are There Any	(2) Option	ns? N		Any Cha	nge to Record?	Υ

		IWED	OA Sys	tem Rul	es					
ID# 7 Syste	m Name	!MILAN 2!			Rule 1#	42	Rule 2#		Delete Rule?	N
Old Color 1	New Color 1				'	CI	hanged C	olor?	N	
Parameter 1 #	26 Old Param. 1 ID	visibility	New Pa	ram. 1 ID	V	isibility		Chan	ged Param. 1	? N
Parameter 2 #	Old Param. 2 ID		New Pa	ram. 2 ID				Chan	ged Param. 2	??
Old Value 1	2000	New V	alue 1	2	000 meters			Change	ed Value1?	N
Old Value 2		New V	alue 2					Change	ed Value 2?	
Old Operator 1	<= New Opt. 1 <	Changed Opt. 1	1? Y	Old Opt. 2	N	ew Opt. 2	2	Char	nged Opt. 2?	
Old Condensed Impact	Reduced Visibility	New C	Condense t	t	Low Vi	sibility		Change Impact	ed Condense	d Y
Old Full Impact	Visibility less than 2000 met	ers makes it diffi	cult to ac	quire/ident	tify targets.					
New Full Impact	Visibility < 2000 meters make	es it difficult to a	cquire/ide	entify targe	ets.	·				
Old Source (A	rmy FM 34-81-1, Battlefield W	eather Effects 19	992):				Ch	anged Fu	ıll Impact?	Υ
	// 34-81-1, pg. N-5, Dec 1992	,	,							
Comments										
Changed Source?	Y	Are There Any ((2) Option	s? N			Any	Change t	to Record?	Y
ID# 8 System	m Name	!RBS-56!			Rule 1 #	42 F	Rule 2#		Delete Rule?	N
Old Color 1	New Color 1					Ch	nanged Co	olor?	N	
Parameter 1 #	26 Old Param. 1 ID	visibility	New Par	am. 1 ID	٧	isibility		Chang	ged Param. 1	? N
Parameter 2 #	Old Param. 2 ID		New Par	am. 2 ID				Chang	ged Param. 2	?
Old Value 1	2000	New Va	alue 1	2	000 meters			Change	d Value1?	N
Old Value 2		New Va	alue 2					Change	d Value 2?	
Old Operator 1	<= New Opt. 1 <	Changed Opt. 1	? Y	Old Opt. 2	N	ew Opt. 2	2	Chan	ged Opt. 2?	
Old Condensed Impact	Reduced Visibility	New C	ondensed t	i	Low Vis	sibility		Change Impact?	d Condensed	Y
Old Full Impact	Visibility less than 2000 meter	ers makes it diffic	cult to acc	quire/ident	ify targets.					
New Full Impact	Visibility < 2000 meters make	es it difficult to a	cquire/ide	entify targe	ets.					
Old Source (A	rmy FM 34-81-1, Battlefield W	eather Effects, 19	192):				Cha	anged Fu	ill Impact?	Y
<u>. </u>	1 34-81-1, pg. N-5, Dec 1992									
Comments					,					
Changed Source?	Y	Are There Any ((2) Option	s? N		44.40	Any (Change t	o Record?	Υ

		IMEDI	A System Ru	iles			
ID# 9 Syste	em Name !	RED ARROW 8!		Rule 1 # 41	Rule 2 #	Delete Rule?	N
Old Color 1	New Color 1				Changed Color?	N	
Parameter 1 #	26 Old Param. 1 ID v	isibility	New Param. 1 ID	Visibility	Chan	ged Param. 1	? N
Parameter 2 #	Old Param. 2 ID		New Param. 2 ID		Chan	ged Param. 2	?
Old Value 1	3000	New Val	ue 1	3000 meters	Change	ed Value1?	N
Old Value 2		New Val	ue 2		Change	ed Value 2?	
Old Operator 1	<= New Opt. 1 <	Changed Opt. 1?	Y Old Opt.	2 New Opt	. 2 Cha	nged Opt. 2?	
Old Condensed Impact	Reduced Visibility	New Co	ondensed	Low Visibility	Change Impact	ed Condensed?	d Y
Old Full Impact	Visibility less than 3000 mete	rs makes it diffici	ult to acquire/ide	ntify targets.			
New Full Impact	Visibility < 3000 meters make	s it difficult to ac	quire/identify tar	gets.			
Old Source	Army FM 34-81-1, Battlefield We	ather Effects 100	22).	٦	Changed F	ull Impact?	Y
<u> </u>	M 34-81-1, pg. N-5, Dec 1992	Editor Energy, 130					
Comments							=
Changed Source	? Y	Are There Any (2	2) Options?	N	Any Change	to Record?	Y
ID # 10 Syste	em Name New Color 1	IRPG-16I		Rule 1 # 49	Rule 2 # Changed Color?	Delete Rule?	N
Parameter 1 #	26 Old Param. 1 ID v	risibility	New Param. 1 ID	Visibilit	y Chan	ged Param. 1	? N
Parameter 2 #	Old Param. 2 ID		New Param. 2 ID		Chan	ged Param. 2	!? 🔲
Old Value 1	800	New Va	lue 1	800 meters	Chang	ed Value1?	N
Old Value 2		New Va	lue 2		Chang	ed Value 2?	\Box
Old Operator 1	< New Opt. 1 <	Changed Opt. 13	N Old Opt.	2 New Opt	2 Cha	nged Opt. 2?	Ī
Old Condensed Impact	Reduced Visibility		ondensed	Very Low Visibil		ed Condense	d Y
Old Full Impact	Visibility less than 800 meters	s makes it difficu	It to acquire/iden	tify targets.			
New Full Impact	Visibility < 800 meters makes	it difficult to acq	uire/identify targ	ets.			
_	L		,		Changed F	ull Impact?	Y
<u> </u>	Army FM 34-81-1, Battlefield We FM 34-81-1, pg. N-4, Dec 1992	eather Effects, 19	92);				
Delete							
Comments							
Changed Source	? Y	Are There Any (2	2) Options?	N	Any Change	to Record?	Y

		IWEL	A Syste	m Kui	es			
ID # 11 Syst	tem Name	!RPG-18!			Rule 1 # 39	Rule 2#	Delete	Rule? N
Old Color 1	New Color 1					Changed (Color? N	
Parameter 1 #	26 Old Param. 1 ID	visibility	New Parar	n. 1 ID	Visibili	ty	Changed Par	ram. 1? N
Parameter 2 #	Old Param. 2 ID		New Parar	n. 2 ID			Changed Par	ram. 2?
Old Value 1	200	New Va	alue 1		200 meters		Changed Value	e1? N
Old Value 2		New Va	alue 2				Changed Value	e 2?
Old Operator 1	<= New Opt. 1 <	Changed Opt. 1	1? Y O	d Opt. 2	New Op	ot. 2	Changed Op	ot. 2?
Old Condensed Impact	Reduced Visibility	New C	Condensed t		Very Low Visibi	lity	Changed Cond Impact?	densed Y
Old Full Impact	Visibility less than 200 meter	ers makes it diffici	ult to acqui	e/identif	fy targets.			
New Full Impact	Visibility < 200 meters make	s it difficult to acc	quire/identi	y target	s.			
Old Source	Army FM 34-81-1, Battlefield W	/eather Effects, 19	192):			CI	nanged Full Impa	ct?
	M 34-81-1, Pg. N-4, Dec 1992							
Comments								
Changed Source	? Y			N				rd? Y
	em Name	IRPG-71			Rule 1 # 40	Rule 2#	Delete F	Rule? N
Old Color 1	New Color 1					Changed C		40 1
Parameter 1 #	26 Old Param. 1 ID	visibility	New Paran		Visibilit	У	Changed Para	
Parameter 2 #	Old Param. 2 ID		New Paran				Changed Para	<u></u>
Old Value 1	500	New Va		5	00 meters		Changed Value	
Old Value 2		New Va					Changed Value	
Old Operator 1	< New Opt. 1 <	Changed Opt. 1		Opt. 2	New Op		Changed Op	
Old Condensed Impact	Reduced Visibility	New C Impact	ondensed		Very Low Visibil	ity	Changed Conde Impact?	ensed Y
Old Full Impact	Visibility less than 500 mete	rs makes it difficu	ilt to acquir	e/identif	y targets.			
New Full Impact	Visibility < 500 meters make	s it difficult to acc	quire/identif	y targets	S.		A de la constantina della cons	
Old Source (A	Army FM 34-81-1, Battlefield W	eather Effects, 19	92);			Ch	nanged Full Impac	ct? Y
New Source/ Reason for Delete	M 34-81-1, pg. N-4, Dec 1992							
Comments								
Changed Source?	? <u>Y</u>	Are There Any (2) Options?	N		Any	Change to Recor	rd? Y

				IW	EDA Sy	stem Ru	ıles					
ID # 13 Sys	tem Name			ISA-14!			Rule 1#	L	Rule 2#		Delete Rule?	? N
Old Color 2	New	Color 2							Changed C	olor?	N	
Parameter 1 #	26 Old	Param. 1 ID	vis	ibility	New F	aram. 1 ID		Visibilit	ty	Cha	nged Param. 1	1? N
Parameter 2 #	Old	Param. 2 ID			New F	aram. 2 ID				Cha	nged Param. 2	2?
Old Value 1		500		Nev	v Value 1		500 meters	3		Chang	ged Value1?	N
Old Value 2				Nev	v Value 2					Chang	ged Value 2?	
Old Operator 1	< 1	New Opt. 1	<	Changed Op	ot. 1? N	Old Opt.	2	New Op	t. 2	Chi	anged Opt. 2?	
Old Condensed Impact		Reduced V	isibility		w Condens pact	sed	Very Lov	v Visibi	lity	Chang Impac	ged Condense xt?	ed Y
Old Full Impact	Visibilit	y less than 50	00 meters	makes it dif	ficult to a	quire/iden	tify targets.					
New Full Impact	Visibilit	y < 500 meter	s makes it	difficult to	acquire/id	lentify targ	ets.					
0110		04.04.4 D-W	C-1-114/		4000)				Ch	anged i	Full Impact?	Υ
L	·	34-81-1, Battle		ther Effects	, 1992);							
New Source/ Reason for Delete	FM 34-81-1	, pg. N-4, Dec	1992									
Comments												
Changed Source	e? Y			Are There A	ny (2) Opti	ons?	N		Any	Change	e to Record?	Y
									_			
ID # 14 Sys	stem Name			ISA-14!			Rule 1 #	108	Rule 2#	108	Delete Rule	? N
Old Color 1	l New	Color 1							Changed C	olor?	N	
Parameter 1 #	4 Old	Param. 1 ID	clou	ıdcover	New F	Param. 1 ID	C	loud Co	ver	Cha	inged Param.	1? N
Parameter 2 #	3 Old	Param. 2 ID	clo	udbase	New F	Param. 2 ID	С	loud Ba	ase	Cha	nged Param.	2? N
Old Value 1		4		Nev	v Value 1		Broken			Chan	ged Value1?	Υ
Old Value 2		1000		Nev	v Value 2	1000 Ft.				Chan	ged Value 2?	N
Old Operator 1	>	New Opt. 1	>=	Changed O	pt. 1? Y	Old Opt.	2 <=	New Op	ot. 2 <=	Ch	anged Opt. 2?	N
Old Condensed Impact	i E	Cloud	ds		w Condens pact	sed	Very Lo	w Clou	ds	Chang Impac	ged Condense ct?	ed Y
Old Full Impact	Cloud	cover > 4/8 wi	th cloud b	ases <= 100	00 ft degra	des the abi	ility to acqu	ire targ	ets.			
New Full Impact	Ceiling	s < 1000 ft de	grades the	ability to a	cquire tar	gets.						
									01		F. II I +0	Υ
Old Source	(Army FM	34-81-1, Battl	efield Wea	ther Effects	s, 1992);				Cr	anged	Full Impact?	1
New Source/ Reason for Delete	FM 34-81-1	I, pg. N-3, De	1992									
Comments												
Changed Source	e? Y			Are There A	Any (2) Opti	ions?	Υ		Any	Chang	e to Record?	Y

			IWE	DA Sy	stem Ru	les					
ID # 15 Syste	em Name		!SA-16!			Rule 1 #	40	Rule 2#		Delete Rule	? N
Old Color 2	New Color	2					(Changed C	olor?	N	
Parameter 1 #	26 Old Param.	I ID	visibility	New P	aram. 1 ID	V	isibility	/	Char	nged Param.	1? N
Parameter 2 #	Old Param.	2 ID		New P	aram. 2 ID				Chai	nged Param.	2?
Old Value 1	500		New \	/alue 1		500 meters			Chang	ged Value1?	N
Old Value 2			New \	/alue 2					Chang	jed Value 2?	
Old Operator 1	< New Opt.	1 <	Changed Opt.	1? N	Old Opt. 2	N	ew Opt.	. 2	Cha	inged Opt. 27	, $\overline{\sqcap}$
Old Condensed Impact	Reduc	ed Visibility	New Impa	Condens ct	ed	Very Low	Visibili	ty	Chang	ged Condense t?	ed Y
Old Full Impact	Visibility less th	an 500 meter	rs makes it diffic	cult to ac	quire/identi	fy targets.					
New Full Impact	Visibility < 500 r	neters make	s it very difficult	to acqui	ire/identify t	targets.					
Old Source (A	Army FM 34-81-1,	Battlefield W	eather Effects, 1	992);]		Ch	anged F	Full Impact?	Y
New Source/ Reason for Delete	M 34-81-1, pg. N-4	, Dec 1992									
Comments	TO THE MISSING										
Changed Source?	Y		Are There Any	(2) Optio	ons? N			Any	Change	to Record?	Y
ID# 16 Syste	em Name		!SA-16!			Rule 1 #	91	Rule 2#	91	Delete Rule	? N
Old Color 1	New Color	1		_				Changed Co		N	
Parameter 1 #	4 Old Param. 1	ID cl	oudcover	New P	aram. 1 ID	Clo	ud Cov	er	Chan	iged Param.	1? N
Parameter 2 #	3 Old Param. 2	. ID cl	oudbase	New Pa	aram. 2 ID	Clo	ud Bas	ie	Chan	iged Param.	2? N
Old Value 1	4		New V	alue 1		broken			Change	ed Value1?	Υ
Old Value 2	2500		_	alue 2	2500 Ft.				Change	ed Value 2?	N
Old Operator 1	> New Opt.	1 >=	Changed Opt.	1? Y	Old Opt. 2	<= Ne	ew Opt.	2 <=	Cha	nged Opt. 2?	N
Old Condensed Impact		Clouds	New 0	Condense ct	ed	Low CI	ouds		Change Impact	ed Condense ?	ed Y
Old Full Impact	Cloud cover > 4/	8 with cloud	bases <= 2500 f	ft degrad	es the abilit	y to acquire	target	s.			
New Full Impact	Ceilings < 2500	t degrades t	he ability to acq	uire targ	ets.						
Old Source (A	rmy FM 34-81-1, E	3attlefield We	eather Effects, 1	992);				Cha	inged F	ull Impact?	Y
New Source/ Reason for Delete	M 34-81-1, pg. N-3	Dec 1992									
Comments		22.000.000									
Changed Source?	Y		Are There Any	(2) Optio	ns? Y			Any (Change	to Record?	Y

				IWE	DA Sy	stem Ru	les					
ID # 17 Syste	m Name [ISA-7 GRAILI			Rule 1 # [44 R	ule 2 #		Delete Rule	? N
Old Color 1	New C	olor 1						Cha	anged Co	olor?	N	
Parameter 1 #	26 Old Pa	aram. 1 ID	٧	isibility	New P	aram. 1 ID	V	isibility		Chai	nged Param.	1? N
Parameter 2 #	Old P	aram. 2 ID			New P	aram. 2 ID				Chai	nged Param. 2	2?
Old Value 1		2500		New V	alue 1		2500 ft.]	Chang	ged Value1?	N
Old Value 2				New V	alue 2					Chang	ged Value 2?	
Old Operator 1	< Ne	w Opt. 1	<	Changed Opt.	1? N	Old Opt. 2	N	ew Opt. 2		Cha	anged Opt. 2?	
Old Condensed Impact		Reduced V	isibility/	New Impa	Condens	ed	Low Vis	sibility		Chang Impac	ged Condense t?	ed Y
Old Full Impact	Visibility	less than 2	500 meter	rs makes it diff	icult to a	cquire/iden	tify targets.					
New Full Impact	Visibility	< 2500 met	ers make	s it difficult to a	cquire/i	dentify targ	ets.					
Old Source (A	rmy FM 34	-81-1. Battl	efield We	ather Effects, 1	992):		7		Cha	anged F	Full Impact?	Y
		og. N-4, Dec					J					
Comments												
Changed Source?	Y			Are There Any	(2) Optio	ons?	1		Any (Change	to Record?	Y
ID # 18 Syste	em Name		IS.	TRAIGHT FLUS	H!		Rule 1 #	52 R	ule 2#		Delete Rule	? N
Old Color 1	New C	olor 1						Ch	anged Co	olor?	N	
Parameter 1 #	14 Old P	aram. 1 ID[rain	New P	aram. 1 ID		Rain		Cha	nged Param.	1? N
Parameter 2 #	Old P	aram. 2 ID			New P	aram. 2 ID				Cha	nged Param.	2?
Old Value 1		1] New \	/alue 1		light			Chang	ged Value1?	Υ
Old Value 2				New \	/alue 2					Chang	ged Value 2?	
Old Operator 1	> Ne	ew Opt. 1	>=	Changed Opt.	1? Y	Old Opt. 2	! N	lew Opt. 2			anged Opt. 2?	1
Old Condensed Impact		Precipit	tation	New Impa	Condens ct	ed	Ra	in		Chang Impag	ged Condense t?	∌d Y
Old Full Impact	Rain of ir	itensity of I	ight or gı	reater degrades	the effe	ctiveness o	of the radar.					
New Full Impact	Rain of ir	itensity >=	light deg	rades the effect	tiveness	of the rada	r.					
									Ch	anged	Full Impact?	Y
Old Source (A	Army FM 34	-81-1, Batt	lefield We	eather Effects, 1	1992);							
New Source/ Reason for Delete	M 34-81-1,	pg. N-8, De	c 1992									
Comments												
Changed Source?	· Y			Are There Any	/ (2) Opti	ons?	N		Anv	Change	e to Record?	Υ

			IWEDA Sy	stem Ru	les				
ID# 19 Syste	em Name	!THIN :	SKIN!		Rule 1 #	52 F	Rule 2#	Delete Ru	le? N
Old Color 1	New Color 1					Ch	anged Co	olor? N	
Parameter 1 #	14 Old Param. 1 ID	rain	New i	Param. 1 ID	11/11/11	Rain		Changed Param	ı. 1? N
Parameter 2 #	Old Param. 2 ID		New	Param. 2 ID				Changed Param	. 2?
Old Value 1	1		New Value 1		light			 Changed Value1?	Y
Old Value 2			New Value 2				Ī	Changed Value 2	?
Old Operator 1	> New Opt. 1	>= Change	ed Opt. 1? Y	Old Opt. 2	N	ew Opt. 2		Changed Opt. 2	2?
Old Condensed Impact	Precipitati	on	New Condens Impact	sed	Ra	in		Changed Condens Impact?	sed Y
Old Full Impact	Rain of intensity of ligh	nt or greater de	grades the effe	ectiveness of	f the radar.			-	
New Full Impact	Rain of intensity >= lig	ht degrades the	e effectiveness	of the radar	•				
Old Source (A	rmy FM 34-81-1, Battlefi	ald Maathar Eff	ineta 4002\.				Cha	nged Full Impact?	Y
<u></u>	// 34-81-1, pg. N-8, Dec 1								
Comments						, , ,			
Changed Source?	Y	Are The	ere Any (2) Opti	ons? N]		Апу С	hange to Record?	Y
ID # 20 Syste Old Color 1	m Name New Color 1	A-1	0		Rule 1 #		ule 2 #	Delete Rul	e? N
ļ	26 Old Param. 1 ID	visibility	New F	aram. 1 ID	V	isibility		Changed Param.	1? N
Parameter 2 #	Old Param. 2 ID			aram. 2 ID				Changed Param.	
Old Value 1	8000		New Value 1	8	000 meters		7	Changed Value1?	N
Old Value 2			New Value 2				j ,	Changed Value 2?	
Old Operator 1	< New Opt. 1	< Change	d Opt. 1? N	Old Opt, 2	Ne	ew Opt. 2	, L	Changed Opt. 2	?
Old Condensed Impact	Reduced Visi		New Condens Impact	·	Reduced \			Changed Condens Impact?	
Old Full Impact	Visibility < 5 miles (800 time available to acquir			/igational an	d terrain av	oidance	capability	which reduces t	he
New Full Impact	Visibility < 5 miles (800 to acquire and identify		de navigation	and terrain a	avoidance o	apability	and redu	uce the time avail	able
Old Source (1s	t Cavalry Division, 1992);					Char	nged Full Impact?	Υ
New Source/ Reason for Delete	erview with MAJ Goodw	ryn, A10 Pilot a	ACC/DOTW	Weapon and	Tactics Bra	anch, 13 /	Aug 1997		
Comments					MARK 1				
Changed Source?	Y	Are The	re Any (2) Option	ons? N]		Any C	hange to Record?	Y

				- 1	WED	A Sy	stem	Rule	es				
ID # 21 Syst	em Name			A-10					Rule 1 # 48	Rule	2#	Delete Rul	le? N
Old Color 2	New	Color 1								Change	ed Color?	Y	
Parameter 1 #	26 Old	Param. 1 ID	٧	isibility		New P	aram. 1	ID	Visibi	lity	Cha	anged Param	. 1? N
Parameter 2 #	Old	Param. 2 ID				New P	aram. 2	ID_			Cha	anged Param	. 2?
Old Value 1		4800		N	New Va	alue 1			4800		Char	nged Value1?	N
Old Value 2				N	New Va	alue 2					Char	nged Value 23	?
Old Operator 1	< !	New Opt. 1	<	Changed	Opt. 1	? N	Old O	pt. 2	New C	pt. 2	Ch	nanged Opt. 2	?? 🗍
Old Condensed Impact		Reduced \	Visibility		New C	condens t	ed		Reduced Visib	ility	Char Impa	nged Condens	sed N
Old Full Impact		y < 3 miles (the time av						aft nav	vigational and f	errain a	voidance o	apability wh	iich
New Full Impact		y < 3 miles (targets.	4800 m) (legrades t	errain	avoida	nce cap	oabilit	y and reduces	time ava	ilable to a	cquire and	
·											Changed	Full Impact?	Y
Old Source	1st Cavair	y Division, 1	992);										
New Source/ Reason for Delete	nterview, 1	MAJ Goodwy	/n A10 Pil	ot ACC/DO	V WTC	Veapon	s and T	actics	Branch, 13 Au	ıg 1997			
Comments													
Changed Source	? Y			Are There	е Апу ((2) Optio	ns?	N			Any Chang	je to Record?	Y
	em Name	Colon		A-10					Rule 1 # 52	Rule		Delete Rui	e? N
Old Color 1		Color 1				Now D	aram 1	- ID	Rair		ed Color?	anged Param	12 N
Parameter 1 #		Param. 1 ID		rain]	aram. 1 aram. 2		Kali	1		anged Param anged Param	
Parameter 2 #	Old	Param. 2 ID		1	New Va	J	arain. 2	ַ טו	Light			anged Param nged Value1?	
Old Value 1 Old Value 2		1		7	vew Va				Light			nged Value 1 ?	<u> </u>
		New Opt. 1		Changed			04.0	nt 2	New C	nt 2		nanged Opt. 2	
Old Operator 1 Old Condensed	<u> </u>	Precipi	tation			Condens	, .	μι. Ζ	Rain	pt. 2		nged Condens	
Impact		Fiecipi	tation		Impac		Eu		Nam		Impa		sed Y
Old Full Impact	Rain >	ight intensit	y degrade	s the pilot	ts visu	ial and i	infrared	i dete	ction ranges.				
New Full Impact	Rain >	ight intensit	y degrade	s the pilot	ts visu	ıal and i	infrared	dete	ction ranges.				
											Changed	Full Impact?	N
Old Source	1st Cavalı	y Division, 1	992);								Changed	r an impact?	14
<u> </u>				lot ACC/D	отw v	Veapon	s and T	ractics	s Branch, 13 Au	ıg 1997			
Comments												-	
Changed Source	? Y			Are There	e Any	(2) Option	ons?	N]		Any Chang	ge to Record?	Y

		IVVEL	DA Syste	m Rules			
	em Name	A-10		Ru		le 2 # Delete R	Rule? N
Old Color 2	New Color 1] N D	410		nged Color?	40 1
_	14 Old Param. 1 ID	rain	New Para	l	Rain	Changed Para	
Parameter 2 #	Old Param. 2 ID	7	New Para			Changed Para	
Old Value 1	2	New V		Mod	derate	Changed Value	
Old Value 2		New V				Changed Value	<u> </u>
Old Operator 1	> New Opt. 1 >	Changed Opt.		ld Opt. 2	New Opt. 2	Changed Opt	L
Old Condensed Impact	Precipitation	New C	Condensed t		Rain	Changed Conde Impact?	ensed Y
Old Full Impact	Rain > moderate intensity sign	gnificantly degra	des the pilo	ts visual and	d infrared detectio	n ranges.	
New Full Impact	Rain > moderate intensity sign	gnificantly degra	des the pilo	ts visual and	d infrared detectio	n ranges.	
						Changed Full Impac	t? N
Old Source (1:	st Cavalry Division, 1992);						
New Source/ Reason for Delete	terview, MAJ Goodwyn A10 P	ilot ACC/DOTW V	Veapons ar	d Tactics Br	anch, 13 Aug 1997	,	
Comments							
Changed Source?	Y	Are There Any	(2) Ontions	N		Any Change to Record	1? Y
ŭ	Land						L
ID # 24 Syste Old Color 2	m Name New Color 1	A-10		Ru		e 2 # Delete R ged Color? Y	ule? N
Parameter 1 #	10 Old Param. 1 ID fre	eezingrain	New Parar	n. 1 ID	Freezing Rain	Changed Para	m. 1? N
Parameter 2 #	Old Param. 2 ID		New Parar	n. 2 ID		Changed Para	m. 2?
Old Value 1	0	New Va	alue 1	Mod	lerate	Changed Value1	? Y
Old Value 2		New Va	alue 2			Changed Value	
Old Operator 1	> New Opt. 1 >	Changed Opt. 1	? N O	d Opt. 2	New Opt. 2	Changed Opt.	2?
Old Condensed Impact	Freezing Rain		ondensed		vy Freezing Rain	Changed Conde Impact?	nsed Y
Old Full Impact	Any occurrence of freezing r			ecause expo	osed aircraft must		
New Full Impact	Freezing rain > moderate del	ays mission laur	nch becaus	exposed ai	rcraft must be dei	ced.	
						Changed Full Impact	? Y
	st Cavalry Division, 1992);						
New Source/ Reason for Delete	terview, MAJ Goodwyn A10 Pi	ilot ACC/DOTW V	Veapons an	d Tactics Br	anch, 13 Aug 1997		
Comments							
Changed Source?	Y	Are There Any	(2) Options?	N		Any Change to Record	l? Y

IWEDA System Rules ID# 25 System Name A-10 Rule 1# 59 Rule 2# Delete Rule? Old Color **New Color** Changed Color? Changed Param. 1? Parameter 1 # 17 Old Param. 1 ID snow New Param. 1 ID Snow Old Param. 2 ID New Param. 2 ID Parameter 2 # Changed Param. 2? New Value 1 1 Old Value 1 Changed Value 1? Old Value 2 New Value 2 Changed Value 2? Old Opt. 2 Old Operator 1 New Opt. 1 Changed Opt. 1? New Opt. 2 Changed Opt. 2? Snow Changed Condensed Old Condensed **New Condensed** Impact Impact Impact? Snow > light intensity significantly degrades the pilots visual and infrared detection ranges. Old Full Impact New Full Impact Changed Full Impact? Old Source (1st Cavalry Division, 1992): Delete Rule: Interview, MAJ Goodwyn A10 Pilot ACC/DOTW Weapons and Tactics Branch, 13 Aug 1997. Replaced by New Source/ Reason for Rule ID# 26 Delete Comments Changed Source? N Υ Υ Are There Any (2) Options? Any Change to Record? A-10 Rule 1# 60 Rule 2# Delete Rule? N ID# 26 System Name N Changed Color? Old Color 1 **New Color** New Param. 1 ID Changed Param. 1? N Parameter 1 # Old Param, 1 ID snow Snow Changed Param. 2? Parameter 2 # Old Param. 2 ID New Param. 2 ID Changed Value 1? Υ Old Value 1 0 New Value 1 Moderate New Value 2 Changed Value 2? Old Value 2 Changed Opt. 1? N Old Opt. 2 Changed Opt. 2? New Opt. 2 Old Operator 1 New Opt. 1 Changed Condensed Snow **New Condensed Heavy Snow** Old Condensed Impact Impact? impact Any occurrence of snowfall degrades the pilots visual and infrared detection ranges. Old Full Impact New Full Impact Snowfall > moderate degrades the pilots visual and infrared detection ranges. Υ Changed Full Impact? Old Source (1st Cavalry Division, 1992); Interview, MAJ Goodwyn A10 Pilot ACC/DOTW Weapons and Tactics Branch, 13 Aug 1997. New Source/ Reason for Delete Comments Υ Any Change to Record? Changed Source? Υ Are There Any (2) Options? N

			IWEDA Sy	stem Ru	iles				
ID# 27 System	n Name	A-10)		Rule 1 #	63 R	ıle 2#	Delete Rule	? Y
Old Color 2	New Color					Cha	nged Co	olor?	
Parameter 1 # 2	1 Old Param. 1 ID	surfacewindspe	ed New P	aram. 1 ID				Changed Param.	1?
Parameter 2 #	Old Param. 2 ID		New P	aram. 2 ID				Changed Param.	2?
Old Value 1	30	1	New Value 1					Changed Value1?	
Old Value 2			New Value 2					Changed Value 2?	
Old Operator 1	>= New Opt. 1	Change	Opt. 1?	Old Opt. 2	2 N	ew Opt. 2		Changed Opt. 2?	
Old Condensed Impact	Surface W	find	New Condense Impact	ed				Changed Condense Impact?	ed 🗌
	Surface wind > 30 kts	significantly inc	eases the imp	act errors	for freefall m	unitions.			
·									
New Full Impact									
					-		Cha	inged Full Impact?	
Old Source (1st	Cavalry Division, 199	2);							
New Source/ Reason for Delete	ete Rule: Not Applicab	le. Interview, MA	J Goodwyn A	10 Pilot AC	C/DOTW We	eapons and	d Tactic	s Branch, 13 Aug 1	997.
Comments									
Changed Source?	Y				N				Υ
ID# 28 System	n Name	A-10			Rule 1 #		ile 2 # [Delete Rule?	? Y
Old Color 1	New Color			_	,	Cha	nged Co		
Parameter 1 # 2		surfacewindspe		aram. 1 ID				Changed Param. 1	
Parameter 2 #	Old Param. 2 ID		New Pa	aram. 2 ID				Changed Param. 2	2?
Old Value 1	20		New Value 1					Changed Value1?	
Old Value 2			New Value 2					Changed Value 2?	
Old Operator 1	>= New Opt. 1	Changed	Opt. 1?	Old Opt. 2	. N	ew Opt. 2		Changed Opt. 2?	
Old Condensed Impact	Surface W	ind	New Condense Impact	ed				Changed Condense Impact?	d
	Surface wind > 20 kts of mpact errors.	cause freefall mu	initions impac	t points to	be manually	compute	d and re	leased with associa	ated
New Full Impact									
L			W7-1		**************************************		Cha	nged Full Impact?	
Old Source (1st	Cavalry Division, 199	2);]		Cila	nged Full Impact:	
<u> </u>	ete Rule: Not Applicab		J Goodwyn A	I0 Pilot AC	C/DOTW We	eapons and	d Tactic	s Branch, 13 Aug 1	997.
Comments									
Changed Source?	Y	Are Ther	e Any (2) Optio	ns? N	1		Any C	hange to Record?	Y

IWEDA System Rules Rule 1 # 100 N ID# 29 System Name A-10 Rule 2# 100 Delete Rule? Old Color **New Color** Changed Color? N Old Param. 1 ID cloudcover New Param, 1 ID Cloud Cover Changed Param, 1? N Parameter 1 # Parameter 2 # 3 Old Param. 2 ID cloudbase New Param. 2 ID **Cloud Base** Changed Param. 2? 3/8 Coverage Changed Value1? Y Old Value 1 3 New Value 1 Old Value 2 3000 New Value 2 3000 Ft. Changed Value 2? Ν Old Operator 1 New Opt. 1 Changed Opt. 1? Old Opt. 2 New Opt. 2 Changed Opt. 2? Ν Old Condensed Clouds **New Condensed Low Clouds** Changed Condensed Impact Impact Impact? Cloud cover > 3/8 and cloud bases < 3000 ft degrade attack options and maneuverability. Attacks become Old Full Impact predictable by restricting aircraft to cloud free corridors. Cloud cover > 3/8 and cloud bases < 3000 ft degrade attack options and maneuvering may become predictable. New Full Impact Changed Full Impact? Υ Old Source (1st Cavalry Division, 1992); Interview, MAJ Goodwyn A10 Pilot ACC/DOTW Weapons and Tactics Branch, 13 Aug 1997. New Source/ Reason for Delete Comments Y Υ Changed Source? Υ Are There Any (2) Options? Any Change to Record? A-10 Rule 1# 101 Rule 2# 101 Delete Rule? ID# 30 System Name Changed Color? Old Color **New Color** New Param. 1 ID Changed Param. 1? 4 Old Param. 1 ID cloudcover Parameter 1 # cloudbase New Param. 2 ID Changed Param. 2? Old Param. 2 ID Parameter 2 # Changed Value1? Old Value 1 5 New Value 1 New Value 2 Changed Value 2? Old Value 2 1000 Changed Opt. 1? Old Opt. 2 New Opt. 2 Changed Opt. 2? New Opt. 1 Old Operator 1 Changed Condensed Clouds **New Condensed** Old Condensed Impact? Impact Impact Cloud cover > 5/8 and cloud bases < 1000 ft significantly degrade visual attacks and maneuverability. Attacks Old Full Impact become predictable by restricting aircraft to cloud free corridors. New Full Impact Changed Full Impact? Old Source (1st Cavalry Division, 1992); Delete Rule: Not Significant. Interview, MAJ Goodwyn A10 Pilot ACC/DOTW Weapons and Tactics Branch, 13 Aug 1997. New Source/ Reason for Delete Comments

Υ

Changed Source?

Are There Any (2) Options?

Υ

Any Change to Record?

Y

				IWE	DA Sy	stem Rul	es					
ID# 31 Syste	m Name			AH-1F			Rule 1#	7	Rule 2#		Delete Rule	? N
Old Color 1	New	Color 1						C	Changed C	Color?	N	
Parameter 1 #	22 Old	Param. 1 ID	tem	perature	New P	aram. 1 ID	Ten	nperatu	ire	Cha	inged Param.	1? N
Parameter 2 #	Old	Param. 2 ID			New P	aram. 2 ID				Cha	inged Param.	2?
Old Value 1		-25		New V	alue 1		- 25 F			Chan	ged Value1?	N
Old Value 2				New V	/alue 2					Chan	ged Value 2?	
Old Operator 1	<= N	lew Opt. 1	<=	Changed Opt.	1? N	Old Opt. 2	N	ew Opt.	2	Ch	anged Opt. 2?	
Old Condensed Impact		Colo	i	New 0	Condens	ed	Extreme	Cold		Chang Impac	ged Condense ct?	ed Y
Old Full Impact	Surface	temperatures	s <= -25 F	may cause the	e grease	on the mair	or tail roto	r shaft	s to cong	eal.		
New Full Impact	Surface mission		s <= -25 F	may cause the	e crew to	remove ela	stomeric s _l	oring p	rior to op	eration	and may dela	ay
Old Source (1s	st Cavalry	Division, 19	92);						Ch	nanged l	Full Impact?	Υ
		-236-10, Para		Aug 1994					· · · · · · · · · · · · · · · · · · ·			
Comments		MP-CP										=
Changed Source?	Y			Are There Any	(2) Optio	ns? N]		Any	Change	e to Record?	Y
	m Name			AH-1F			Rule 1 #	24	Rule 2#		Delete Rule	? N
Old Color 1	New				7 .	4.15			hanged C		N	
		Param. 1 ID	tem	perature	_	aram. 1 ID	Tem	peratu	re	=	nged Param. 1	
Parameter 2 #	Old I	Param. 2 ID			1	aram. 2 ID					nged Param. 2	
Old Value 1		100		New V			100 F				ged Value1?	N
Old Value 2				New V							ged Value 2?	Ц
Old Operator 1	>= N	lew Opt. 1	>=	Changed Opt. 1	1? N	Old Opt. 2	Ne	w Opt.	2	Cha	anged Opt. 2?	
Old Condensed Impact		Hot		New C	Condense t	ed	Very I	lot		Chang Impac	ged Condense	d Y
Old Full Impact	Tempera	tures >= 100	F degrad	le aircraft perfo								
New Full Impact	Tempera	tures >= 100	F degrad	le aircraft perfo	ormance.	•						
Old Source (1s	t Cavairy	Division, 19	92);						Ch	anged F	Full Impact?	N
New Source/ Reason for Delete	1 55-1520	-236-10, Chap	oter 7, Se	ep 1996								
Comments												
Changed Source?	Y			Are There Any	(2) Optio	ns? N]		Any	Change	to Record?	Y

			IVVEL	A Sys	tem Kui	es			<u>-</u>	
ID # 33 Syste	em Name		AH-1F			Rule 1#	32 Ru	le 2 #	Delete Rule?	N
Old Color 2	New Color 1	1					Char	nged Color	Y	
Parameter 1 #	23 Old Param. 1 ID	thunder	storm	New Pa	ram. 1 ID	Thun	derstorm	C	hanged Param. 1	? N
Parameter 2 #	Old Param. 2 ID		•	New Pa	ram. 2 ID			c	hanged Param. 2	?
Old Value 1	1		New Va	alue 1		yes		Ch	anged Value1?	Y
Old Value 2			New Va	alue 2				Ch	anged Value 2?	
Old Operator 1	= New Opt. 1	= Cha	anged Opt. 1	1? N	Old Opt. 2	Ne	w Opt. 2		Changed Opt. 2?	
Old Condensed Impact	Thunde	erstorm	New C	Condense t	d	Thunder	storm		anged Condensed pact?	N
Old Full Impact	Any occurrence of	thunderstorms	curtail airc	raft and	refueling o	perations du	e to safel	y consider	ations.	
New Full Impact	Any occurrence of thunderstorms sho				refueling o	perations du	e to safet	y conside	ations. Flights i	n
						1		Change	ed Full Impact?	Υ
	Ist Cavalry Division,		204							
	M 55-1520-236-10, Pa R95-1, Para 5-2d(3), I		194							
Comments										
Changed Source	? Y	Are	There Any	(2) Option	ns? N			Any Cha	nge to Record?	Y
ID # 100 0	Name of the second		AH-1F			D.15.4.# [22 D.:	In 0.#	Dalata Bula?	
ID# 34 Syste	em Name New Color	1	An-Ir			Rule 1 #		le 2 # nged Color	Delete Rule?	N
Parameter 1 #	11 Old Param. 1 ID	hai	1	New Pa	ram. 1 ID		Hail		hanged Param. 1	? N
Parameter 2 #	Old Param. 2 ID		***	New Pa	ıram. 2 ID				hanged Param. 2	
Old Value 1	1		New V		L	yes		Ch	anged Value1?	Y
Old Value 2			New V	alue 2					anged Value 2?	H
Old Operator 1	= New Opt. 1	= Ch:	anged Opt. 1	1? N	Old Opt. 2	Ne	w Opt. 2		Changed Opt. 2?	
Old Condensed Impact		ail		Condense		Hai		Ch	anged Condense	d N
Old Full Impact	Any occurrence of	hail produces			conditions	and reduces	operation	nal capabi	lites.	
New Full Impact	Any occurrence of	hail produces	hazardous v	weather (conditions	and reduces	operation	nal capabi	lites.	
	** .			***************************************						
Old Source (1st Cavalry Division,	1992);]		Change	ed Full Impact?	N
New Source/ Reason for Delete	M 1-230, Para 12-7, S	Sep 1982								
Comments										
										1

IWEDA System Rules ID# 35 AH-1F System Name Rule 1# 56 Rule 2# Delete Rule? Old Color 2 **New Color** Υ Changed Color? Parameter 1 # Old Param. 1 ID 10 freezingrain New Param, 1 ID Freezing Rain Changed Param. 1? N Parameter 2 # Old Param. 2 ID New Param. 2 ID Changed Param. 2? Old Value 1 New Value 1 None Changed Value1? Old Value 2 New Value 2 Changed Value 2? Old Operator 1 New Opt. 1 Changed Opt. 1? N Old Opt. 2 New Opt. 2 Changed Opt. 2? Changed Condensed N Old Condensed Freezing Rain **New Condensed** Freezing Rain Impact Impact Impact? Old Full Impact Any occurrence of freezing rain delays mission launch because exposed aircraft must be deiced. New Full Impact Any occurrence of freezing rain delays mission launch because exposed aircraft must be deiced. Changed Full Impact? N Old Source (1st Cavalry Division, 1992); New Source/ TM 55-1520-236-10, Para 8-47a, Aug 1994 Reason for Delete Comments Note: Delays-not cancels 1 versus 2 N Y Changed Source? Υ Are There Any (2) Options? Any Change to Record? AH-1F N ID# 36 System Name Rule 1# 60 Rule 2# Delete Rule? Old Color 1 **New Color** Changed Color? N 17 New Param. 1 ID Changed Param. 1? Parameter 1 # Old Param. 1 ID snow Snow Ν Parameter 2 # Old Param. 2 ID New Param. 2 ID Changed Param. 2? None Υ Old Value 1 0 New Value 1 Changed Value1? New Value 2 Changed Value 2? Old Value 2 Old Operator 1 Changed Opt. 1? N Old Opt. 2 New Opt. 2 Changed Opt. 2? New Opt. 1 Old Condensed **New Condensed** Snow Changed Condensed Snow N Impact Impact Old Full Impact Any occurrence of snowfall produces hazardous weather conditions and reduces operational capabilities. New Full Impact Any occurrence of snowfall produces hazardous weather conditions, reduces visibility and makes hovering and landing difficult. Υ Changed Full Impact? Old Source (1st Cavalry Division, 1992); New Source/ TM 55-1520-236-10, Para 8-47, Aug 1994 Reason for Delete Comments Y

Υ

Changed Source?

Ν

Are There Any (2) Options?

Any Change to Record?

			IWEDA S	ystem R	ules				
ID# 37 System	m Name	AH-1	F		Rule 1 #	61	Rule 2#	Delete Rule	? N
Old Color 1	New Color 1					С	hanged C	olor?	
Parameter 1 #	2 Old Param. 1 ID	blowingsnow	v New	Param. 1 II	Blo	wing Sn	ow	Changed Param.	1? N
Parameter 2 #	Old Param. 2 ID		New	Param. 2 II				Changed Param.	2?
Old Value 1	1		New Value 1		Yes			Changed Value1?	Y
Old Value 2			New Value 2			-	Ħ	Changed Value 2?	
Old Operator 1	= New Opt. 1	= Changed	d Opt. 1?	Old Opt	. 2	New Opt.	2	Changed Opt. 2?	
Old Condensed Impact	Blowing	Snow	New Conder	nsed	Blowin	g Snow		Changed Condense Impact?	ed N
Old Full Impact	Any occurrence of b	lowing snow reduc	ces visibility	and will m	ake hovering	and land	ling diffic	ult.	
New Full Impact	Any occurrence of b	lowing snow reduc	ces visibility	and will m	ake hovering	and land	ling diffic	ult.	
Old Source (1s	st Cavalry Division, 19	9921:					Ch	anged Full Impact?	N
	1 55-1520-236-10, Para								
Comments									
Changed Source?	Y	Are The	re Any (2) Op	tions?	N		Any	Change to Record?	Y
ID# 38 Syste	m Name	AH-1	F		Rule 1#	62	Rule 2#	Delete Rule	? N
Old Color 1	New Color 1					C	hanged C	olor? N	
Parameter 1 #	1 Old Param. 1 ID	blowingsand	New	Param. 1 II	Blo	wing Sa	nd	Changed Param.	1? N
Parameter 2 #	Old Param. 2 ID		New	Param. 2 II				Changed Param.	2?
Old Value 1	i i		New Value 1		Yes			Changed Value1?	Y
Old Value 2			New Value 2					Changed Value 2?	
Old Operator 1	= New Opt. 1	= Changed	d Opt. 1?	Old Opt	. 2 1	New Opt.	2	Changed Opt. 2?	· 🗍
Old Condensed Impact	Blowing		New Conde Impact	nsed	Blowin	g Sand		Changed Condense Impact?	ed N
Old Full Impact	Any occurrence of b	lowing sand reduc	es visibility	and will ma	ake hovering	and land	ling diffic	ult.	
New Full Impact	Any occurrence of b	lowing sand reduc	ces visibility	and will m	ake hovering	and land	ling diffic	ult.	
							Ch	anged Full Impact?	N
	st Cavalry Division, 1								
	<i>I</i> I 55-1520-236-10, Para II 1-202, Para 2-3b, 2-6								
Comments							·		
Changed Source?	Y	Are The	re Any (2) Op	tions?	N		Any	Change to Record?	Υ

IWEDA System Rules ID# 39 AH-1F Rule 1# 63 Rule 2# Delete Rule? System Name Changed Color? N Old Color 2 **New Color** Changed Param. 1? N Parameter 1 # 21 Old Param. 1 ID surfacewindspeed New Param. 1 ID Surface Wind Speed Old Param, 2 ID New Param, 2 ID Changed Param. 2? Parameter 2 # 30 kts. New Value 1 N Old Value 1 30 Changed Value1? New Value 2 Changed Value 2? Old Value 2 Old Operator 1 New Opt. 1 Changed Opt. 1? Y Old Opt. 2 New Opt. 2 Changed Opt. 2? Surface Wind Changed Condensed N **New Condensed** Surface Wind Old Condensed Impact Impact? Impact Surface wind speed > 30 kts during engine start/shutdown may cause the rotor blades to contact the fuselage. Old Full Impact Helicopter should not be started in surface winds > 30 kts. New Full Impact Υ Changed Full Impact? Old Source (1st Cavalry Division, 1992); TM 55-1520-236-10, Para 5-66, Sep 1996 New Source/ Reason for Delete Comments Υ Changed Source? Υ Are There Any (2) Options? N Any Change to Record? AH-1F Rule 1# 67 Delete Rule? Rule 2# ID# 40 System Name **Changed Color? New Color** Old Color Changed Param. 1? surfacewindspeed New Param. 1 ID Parameter 1 # 21 Old Param. 1 ID New Param. 2 ID Changed Param. 2? Parameter 2 # Old Param. 2 ID 20 New Value 1 Changed Value1? Old Value 1 New Value 2 Changed Value 2? Old Value 2 New Opt. 1 Changed Opt. 1? Old Opt. 2 New Opt. 2 Changed Opt. 2? Old Operator 1 **Surface Wind New Condensed Changed Condensed** Old Condensed Impact Impact Impact? Surface wind speed > 20 kts impacts the ability to start and shut down aircraft. Old Full Impact New Full Impact Changed Full Impact? (1st Cavalry Division, 1992); Old Source Delete Rule: Not siginifcant, replaced by rule ID# 39 New Source/ Reason for Delete Comments Y Υ Ν Any Change to Record? Are There Any (2) Options? Changed Source?

IWEDA System Rules AH-1F Rule 1# 75 Rule 2# Delete Rule? ID# 41 System Name **New Color** Changed Color? Old Color Parameter 1 # 20 Old Param. 1 ID surfacewindgust New Param. 1 ID Changed Param. 1? Changed Param. 2? Parameter 2 # Old Param. 2 ID New Param. 2 ID Old Value 1 30 New Value 1 Changed Value1? Old Value 2 New Value 2 Changed Value 2? New Opt. 1 Changed Opt. 1? Old Opt. 2 New Opt. 2 Changed Opt. 2? Old Operator 1 Gust **New Condensed** Changed Condensed Old Condensed Impact Impact? Impact Surface wind gust >= 30 kts exceeds the system limits to start engines. Old Full Impact **New Full Impact** Changed Full Impact? (1st Cavalry Division, 1992): Old Source Delete Rule, Redundant rule, See ID# 39 New Source/ Reason for Delete Comments Υ N Any Change to Record? Changed Source? Υ Are There Any (2) Options? AH-1F Rule 2# Delete Rule? N Rule 1# 76 ID# 42 System Name N Changed Color? Old Color New Color New Param. 1 ID Changed Param. 1? N Old Param. 1 ID icingintensity Icing Intensity Parameter 1 # 12 Old Param. 2 ID Changed Param. 2? Parameter 2 # New Param. 2 ID Changed Value1? Old Value 1 0 New Value 1 None Changed Value 2? New Value 2 Old Value 2 Changed Opt. 2? Old Operator 1 New Opt. 1 Changed Opt. 1? N Old Opt. 2 New Opt. 2 Changed Condensed N **Icing Aloft** Old Condensed Icing Aloft **New Condensed** Impact? Impact Impact Old Full Impact Upper level icing intensity > none may degrade performance. Upper-level icing intensity > none may degrade performance if the aircraft is flying between (~ icing base) and (~ **New Full Impact** icing tops) feet AGL. Changed Full Impact? Υ Old Source (1st Cavalry Division, 1992); TM 55-1520-236-10, Para 8-51 and 8-81 see second paragraph of caution, Aug 1994 New Source/ Reason for Delete Comments Υ N Any Change to Record? Changed Source? Υ Are There Any (2) Options?

				IVVEL	JA Sy	stem Ru	les				
ID # 43 Syst	tem Nam	ne		AH-1F			Rule 1 #	77 Rule	2#	Delete Rule	? N
Old Color 2	Ne	ew Color 2						Chang	ed Color?	N	
Parameter 1 #	12 O	ld Param. 1 ID	icing	gintensity	New P	aram. 1 ID	lcing	Intensity	Cha	nged Param.	1? N
Parameter 2 #	0	ld Param. 2 ID			New P	aram. 2 ID			Cha	nged Param.	2?
Old Value 1		1		New V	alue 1		Light		Chang	ged Value1?	Y
Old Value 2				New V	alue 2				Chang	ged Value 2?	
Old Operator 1	>	New Opt. 1	>	Changed Opt. 1	1? N	Old Opt. 2	Ne	w Opt. 2	Cha	anged Opt. 2?	· 🖳
Old Condensed Impact		Icing A	Moft	New C Impac	Condens t	ed	Icing A	loft	Chang	ged Condense t?	ed N
Old Full Impact	IAW A	R95-1, aircraft	cannot fly	/ into areas of i	cing int	ensity > ligi	nt.				
New Full Impact				r forecast icing nt if flight level i						n adequate	
au a . [-							1		Changed I	Full Impact?	Y
		dry Division, 19									
New Source/ Reason for Delete	AR 95-1,	Para 5-2d(1), M	lay 1990								
Comments											
Changed Source	? Y]		Are There Any ((2) Optio	ns? N			Any Change	to Record?	Y
	em Nam	L		AH-1F			Rule 1 #	79 Rule		Delete Rule?	? N
Old Color 1 Parameter 1 #		w Color 1 d Param. 1 ID	turbular	nceintensity	Now Br	aram. 1 ID	Turbulan		ed Color?	N Daram 1	12 N
Parameter 2 #		d Param. 1 ID	turbulei	icemiensity		ram. 2 ID	Turbulen	ce Intensity		nged Param. 1	
Old Value 1		1		New Va		II alli. 2 ID	Light			nged Param. 2 red Value1?	Y
Old Value 2		-		New Va			Light		_	ed Value 1:	
Old Operator 1	>	New Opt. 1	>	Changed Opt. 1		Old Opt. 2	Nev	v Opt. 2		nged Opt. 2?	H
Old Condensed		Turbulenc			ondense		Turbulence			ed Condense	
Impact				Impact					Impac		IN
Old Full Impact	Upper	-level turbulen	ce > light i	intensity degrae	des flyir	ig safety.					
New Full Impact		-level turbulence turbulence top		intensity degrae	des flyir	g safety if t	the aircraft is	flying betw	een (~ turb	olence base)	,
	L								Changed F	ull Impact?	Υ
Old Source (1	st Cava	Iry Division, 19	92);								
New Source/ Reason for Delete	M 55-15	20-236-10, Para	8-50, Aug	1994							
Comments											
Changed Source?	Y			Are There Any (2) Optio	ns? N]	A	Any Change	to Record?	Y

		IWEDA Sys	stem Rules			
ID # 45 System	m Name	AH-1F	Rule 1 #	80 Rule 2 #	Delete Rule?	N
Old Color 2	New Color 2			Changed C	olor? N	
Parameter 1 #	24 Old Param. 1 ID turbule	enceintensity New P	aram. 1 ID Turbu	lence Intensity	Changed Param. 11	? N
Parameter 2 #	Old Param. 2 ID	New P	aram. 2 ID		Changed Param. 21	?
Old Value 1	2	New Value 1	Moderate		Changed Value1?	Y
Old Value 2		New Value 2			Changed Value 2?	
Old Operator 1	> New Opt. 1 >	Changed Opt. 1? N	Old Opt. 2	New Opt. 2	Changed Opt. 2?	
Old Condensed Impact	Turbulence Aloft	New Condens impact	ed Severe Tur	bulence Aloft	Changed Condensed Impact?	Y
Old Full Impact	Upper-level turbulence > mod	derate intensity exceeds	the operating limits.			
New Full Impact	Aircraft will not be intentiona and (~ turbulence tops).	lly flown into forecast s	evere turbulence if fli	ght level is betwee	en (~ turbulence base))
				Ch	anged Full Impact?	Y
Old Source (1s	st Cavalry Division, 1992);					
New Source/ Reason for Delete	R 95-1, Para 5-2d(2), May 1990					
Comments						
Changed Source?	Y	Are There Any (2) Option	ons? N	A	Change to Record?	Y
ID# 46 Syste	m Name	AH-1F	Rule 1 #		Delete Rule?	N
Old Color 1	New Color 1			Changed C		
Parameter 1 #				ssure Altitude	Changed Param. 1	
Parameter 2 #	Old Param. 2 ID		aram. 2 ID		Changed Param. 2	
Old Value 1	5000	New Value 1	5000 ft.		Changed Value1?	N
Old Value 2		New Value 2			Changed Value 2?	Щ
Old Operator 1	> New Opt. 1 >	Changed Opt. 1? N	Old Opt. 2	New Opt. 2	Changed Opt. 2?	
Old Condensed Impact	Pressure Altitude	New Condens Impact	ed High Pres	sure Altitude	Changed Condensed Impact?	Y
Old Full Impact	Operating performance of ro	tary wing aircraft is dec	reased when operatin	g at pressure altiti	udes > 5000 ft.	
New Full Impact	Operating performance of ro	tary wing aircraft is dec	reased when operatin	g at pressure altitu	udes > 5000 ft.	
				CI	nanged Full Impact?	N
Old Source (1	st Cavalry Division, 1992);					لــــا
	M 55-1520-236-10, Chapter 7, S M 1-230, Para 5-8, Sep 1982	ep 1996				
Comments						
Changed Source?	Y	Are There Any (2) Opti	ons? N	Any	Change to Record?	Y

								IWI	EDA S	yst	em F	₹ui	es								
ID# 47 Sy	stem I	Name					Al	1-1F					Rule 1	#	86	Ru	le 2 #		Delet	e Rule1	Y
Old Color	2	Nev	v Colo	r												Char	nged C	olor?			
Parameter 1 #	13	Old	i Para	m. 1 l	D	pres	surealti	tude	Nev	/ Par	am. 1 l	D						Cha	nged P	aram. 1	1?
Parameter 2 #		Old	i Para	m. 2 l	D				Nev	/ Par	am. 2 I	D[Cha	nged P	aram. 2	??
Old Value 1			10	000				New	/ Value 1									Chang	ged Va	iue1?	
Old Value 2								New	Value 2	٠, آ								Chang	ged Va	ue 2?	
Old Operator 1	:	>	New (Opt. 1			Chan	ged Op	t. 1?		Old Opt	t. 2		Ne	w Opi	. 2		Cha	anged (Opt. 2?	
Old Condense Impact	d		Pr	essu	re Al	titude			w Conde	nsed								Chang		ndense	d \square
Old Full Impact									raft is si ce paylo								g at p	ressure	altitu	des >	
New Full Impac	t																				
Old Source	(1st C	aval	ry Div	ision	, 199	2);											Ch	anged !	Full Imp	act?	
	Delet ft).	e Rul	e: Thi	is is t	00 r	stricti	ve. Pilo	has o	ptions.	Dele	te as a	red	conditi	on. I	t is in	cluc	led in	yellow	condit	ion (> {	5000
Comments											•							-			
Changed Sourc	e?	Y					Are Ti	nere Ar	ny (2) Op	otions	?	N					Any	Change	to Red	cord?	Y
ID# 48 Sys	stem N	lame					АН	-18					Rule 1	# [7	Rul	e 2 #		Delet	e Rule?	Y
Old Color	1	New	Color	r 🗀											(Chan	ged C	olor?			
Parameter 1 #	22	Old	Parar	m. 1 i	D	ter	nperatu	re	New	Para	am. 1 II	D						Chai	nged P	aram. 1	?
Parameter 2 #		Old	Parar	m. 2 I	D				New	Para	am. 2 IC	D_						Cha	nged P	aram. 2	?
Old Value 1			-2	25				New	Value 1									Chang	ed Val	ue1?	
Old Value 2								New	Value 2									Chang	ed Val	ue 2?	
Old Operator 1	<	=	New C	Opt. 1			Chang	ed Opt	t. 1?		Old Opt	. 2		Nev	v Opt	. 2		Cha	inged (opt. 2?	
Old Condensed Impact	1			C	old			New Imp	v Conde act	nsed			/-/- <u>-</u>					Chang Impac		ndensed	
Old Full Impact	Su	rface	temp	perati	ıres	<= -25	F may o	ause t	he grea	se or	the m	nain	or tail r	otor	shaft	s to	conge	al.			
New Full Impact																					
Old Source	(1st C	avalı	y Div	ision	199	2);											Cha	anged F	full Imp	act?	
New Source/ Reason for Delete	Delete	Rul	e: No	longe	er in	invent	ory.							-							
Comments					•																
Changed Source	e?	Y					Are Th	ere An	y (2) Op	tions	?	N					Any (Change	to Rec	ord?	Υ

			IWEDA Sy	stem Ru	les				
ID# 49 System	m Name	AH-	IS		Rule 1#	24 R	ule 2 #	Delete Rule?	? Y
Old Color 1	New Color					Cha	inged Co	lor?	
Parameter 1 #	22 Old Param. 1 ID	temperatur	New P	aram. 1 ID				Changed Param. 1	1?
Parameter 2 #	Old Param. 2 ID		New P	aram. 2 ID				Changed Param. 2	2?
Old Value 1	100		New Value 1					Changed Value1?	
Old Value 2			New Value 2					Changed Value 2?	
Old Operator 1	>= New Opt. 1	Change	ed Opt. 1?	Old Opt. 2	N	ew Opt. 2		Changed Opt. 2?	
Old Condensed Impact	Hot		New Condens Impact	ed				Changed Condense Impact?	d _
Old Full Impact	Temperatures >= 100	F degrade aircra	ft performance						
							·		
L	st Cavalry Division, 19]		Cha	nged Full Impact?	
Reason for Delete									
Comments				-					
Changed Source?	Y	Are The	ere Any (2) Optio	ons?	N .		Any C	Change to Record?	Y
ID# 50 Syste	m Name	AH-	18		Rule 1#	32 R	ule 2 #	Delete Rule	? Y
Old Color 2	New Color					Cha	anged Co	olor?	
Parameter 1 #	23 Old Param. 1 ID	thunderstor	m New F	aram. 1 ID				Changed Param. 1	1?
Parameter 2 #	Old Param. 2 ID		New F	aram. 2 ID				Changed Param. 2	2?
Old Value 1	1		New Value 1					Changed Value1?	
Old Value 2			New Value 2				Ī	Changed Value 2?	
Old Operator 1	= New Opt. 1	Change	ed Opt. 1?	Old Opt. 2	2 N	ew Opt. 2		Changed Opt. 2?	
Old Condensed Impact	Thunder	storm	New Condens Impact	sed				Changed Condense Impact?	ed
Old Full Impact	Any occurrence of the	nunderstorms cui	rtail aircraft and	d refueling	operations d	lue to safe	ety consi	derations.	
New Full Impact									
			······································				Cha	anged Full Impact?	
Old Source (1	st Cavalry Division, 1	992);							
New Source/ Reason for Delete	elete Rule: No longer	in inventory.							
Comments									
Changed Source?	Y	Are Th	ere Any (2) Opti	ons?	N		Any	Change to Record?	Y

		IWEL	DA System	Rules		
ID # 51 System	m Name	AH-1S		Rule 1 #	33 Rule 2 #	Delete Rule? Y
Old Color 1	New Color				Changed C	olor?
Parameter 1 #	11 Old Param. 1 ID	hail	New Param. 1	ID		Changed Param. 1?
Parameter 2 #	Old Param. 2 ID		New Param. 2	ID		Changed Param. 2?
Old Value 1	1	New V	alue 1			Changed Value1?
Old Value 2		New V	alue 2			Changed Value 2?
Old Operator 1	= New Opt. 1	Changed Opt.	1? Old Op	ot. 2 Nev	v Opt. 2	Changed Opt. 2?
Old Condensed Impact	Hail	New 0	Condensed			Changed Condensed Impact?
Old Full Impact	Any occurrence of hail pro	oduces hazardous	weather condition	ons and reduces	operational cap	abilities.
New Full Impact						
						4
					Ch	anged Full Impact?
Old Source (1s	st Cavalry Division, 1992);				011	angoa i an mipaot.
L	lete Rule: No longer in inve	entory.				
Reason for Delete						
Comments						1.0.00
Changed Source?	Y	Are There Any	(2) Options?	N	Any	Change to Record? Y
ID# 52 System	n Name	AH-1S		Rule 1 #	56 Rule 2#	Delete Rule? Y
Old Color 2	New Color				Changed Co	olor?
Parameter 1 # 1	0 Old Param. 1 ID	freezingrain	New Param. 1	ID		Changed Param. 1?
Parameter 2 #	Old Param. 2 ID		New Param. 2	ID		Changed Param. 2?
Old Value 1	0	New V	alue 1	-		Changed Value1?
Old Value 2		New V	alue 2			Changed Value 2?
Old Operator 1	> New Opt. 1	Changed Opt. 1	? Old Op	t. 2 New	/ Opt. 2	Changed Opt. 2?
Old Condensed Impact	Freezing Rain		Condensed			Changed Condensed Impact?
Old Full Impact	Any occurrence of freezing	g rain delays missi	on launch becau	ıse exposed aircı	aft must be dei	ced.
New Full Impact						
l					Chr	anged Full Impact?
Old Source (1s	t Cavalry Division, 1992);					•
New Source/ Reason for Delete	lete Rule: No longer in inve	entory.				
Comments						
Changed Source?	Y	Are There Any	(2) Options?	N	Any (Change to Record?

					A Sys		-					
ID # 53 Sys	tem Name		A	H-1S			Rule 1#	60	Rule	2#	Delete Rule?	Y
Old Color 1	New (Color							Change	ed Color?		
Parameter 1 #	17 Old F	Param. 1 ID	snow		New Pa	ram. 1 ID				Ch	anged Param. 1	?
Parameter 2 #	Old F	Param. 2 ID			New Pa	ıram. 2 ID				Ch	anged Param. 2	?
Old Value 1		0		New Val	lue 1					Char	nged Value1?	
Old Value 2				New Val	lue 2					Char	nged Value 2?	
Old Operator 1	> N	lew Opt. 1	Char	nged Opt. 1?	?	Old Opt. 2		New Op	ot. 2	CI	nanged Opt. 2?	
Old Condensed Impact		Snow		New Co Impact	ondense	d	,			Char Impa	nged Condensed oct?	d
Old Full Impact	Any occ	urrence of sno	ow produces	hazardous	weathe	r condition	s and red	ices op	eration	nal capabil	ities.	
New Full Impact												
							1			Changed	Full Impact?	
		Division, 199										
New Source/ Reason for Delete	Delete Rule	: No longer in	inventory.									
Comments												
Changed Source	e? Y		Are 1	There Any (2	2) Optior	ns? N	I			Any Chang	ge to Record?	Y
ID # 54 Svs	tem Name		A	H-1S			Rule 1#	61	Rule	2#	Delete Rule?	Y
ID # 54 Sys	tem Name	Color	A	H-1S			Rule 1#	61	Rule Chang	2# [Delete Rule?	Y
	New	Color Param. 1 ID	A		New Pa	aram. 1 ID	Rule 1#	61	J	ed Color?	Delete Rule?	
Old Color 1	New 0					aram. 1 ID	Rule 1#	61	J	jed Color?		?
Old Color 1 Parameter 1 #	New 0	Param. 1 ID			New Pa	_	Rule 1#	61	J	ed Color? Ch	anged Param. 1	?
Old Color 1 Parameter 1 # Parameter 2 #	New 0	Param. 1 ID		now	New Pa	_	Rule 1#	61	J	ed Color? Ch Ch	anged Param. 1 anged Param. 2	?
Old Color 1 Parameter 1 # Parameter 2 # Old Value 1	New Cold I	Param. 1 ID	blowings	now New Va	New Pa lue 1 〔 lue 2 〔	_		61 New Op	Chang	ed Color? Ch Chai	anged Param. 1 anged Param. 2 nged Value1?	?
Old Color 1 Parameter 1 # Parameter 2 # Old Value 1 Old Value 2	New Cold I	Param. 1 ID Param. 2 ID 1	blowings	New Va New Va New Va	New Palue 1 [lue 2 [Old Opt. 2			Chang	chai	anged Param. 1 anged Param. 2 nged Value1? nged Value 2? nanged Opt. 2?	?
Old Color 1 Parameter 1 # Parameter 2 # Old Value 1 Old Value 2 Old Operator 1 Old Condensed	New	Param. 1 ID Param. 2 ID 1	blowings	New Va New Va nged Opt. 11 New Co Impact	New Pa	Old Opt. 2		New Op	Chang	ed Color? Ch Char Char Char Char	anged Param. 1 anged Param. 2 nged Value1? nged Value 2? nanged Opt. 2?	?
Old Color 1 Parameter 1 # Parameter 2 # Old Value 1 Old Value 2 Old Operator 1 Old Condensed	New C	Param. 1 ID Param. 2 ID 1 Iew Opt. 1 Blowing S	blowings	New Va New Va nged Opt. 11 New Co Impact	New Pa	Old Opt. 2		New Op	Chang	ed Color? Ch Char Char Char Char	anged Param. 1 anged Param. 2 nged Value1? nged Value 2? nanged Opt. 2?	?
Old Color 1 Parameter 1 # Parameter 2 # Old Value 1 Old Value 2 Old Operator 1 Old Condensed Impact Old Full Impact	New C	Param. 1 ID Param. 2 ID 1 Iew Opt. 1 Blowing S	blowings	New Va New Va nged Opt. 11 New Co Impact	New Pa	Old Opt. 2		New Op	Chang	ed Color? Ch Char Char Char Char	anged Param. 1 anged Param. 2 nged Value1? nged Value 2? nanged Opt. 2?	?
Old Color 1 Parameter 1 # Parameter 2 # Old Value 1 Old Value 2 Old Operator 1 Old Condensed Impact Old Full Impact	New C	Param. 1 ID Param. 2 ID 1 Iew Opt. 1 Blowing S	blowings	New Va New Va nged Opt. 11 New Co Impact	New Pa	Old Opt. 2		New Op	Chang	char Char Char Char Char Impa	anged Param. 1 anged Param. 2 nged Value 1? nged Value 2? nanged Opt. 2? nged Condensed	?
Old Color 1 Parameter 1 # Parameter 2 # Old Value 1 Old Value 2 Old Operator 1 Old Condensed Impact Old Full Impact New Full Impact	New (2 Old I) Old I Any occ	Param. 1 ID Param. 2 ID 1 Iew Opt. 1 Blowing S	blowings Char now wing snow re	New Va New Va nged Opt. 11 New Co Impact	New Pa	Old Opt. 2		New Op	Chang	char Char Char Char Char Impa	anged Param. 1 anged Param. 2 nged Value1? nged Value 2? nanged Opt. 2?	?
Old Color 1 Parameter 1 # Parameter 2 # Old Value 1 Old Value 2 Old Operator 1 Old Condensed Impact Old Full Impact New Full Impact	New Cook Cook Cook Cook Cook Cook Cook Coo	Param. 1 ID Param. 2 ID 1 lew Opt. 1 Blowing S currence of blo	blowings Char now wing snow re	New Va New Va nged Opt. 11 New Co Impact	New Pa	Old Opt. 2		New Op	Chang	char Char Char Char Char Impa	anged Param. 1 anged Param. 2 nged Value 1? nged Value 2? nanged Opt. 2? nged Condensed	?
Old Color 1 Parameter 1 # Parameter 2 # Old Value 1 Old Value 2 Old Operator 1 Old Condensed Impact Old Full Impact New Full Impact Old Source New Source/ Reason for	New Cook Cook Cook Cook Cook Cook Cook Coo	Param. 1 ID Param. 2 ID 1 lew Opt. 1 Blowing S currence of blo	blowings Char now wing snow re	New Va New Va nged Opt. 11 New Co Impact	New Pa	Old Opt. 2		New Op	Chang	char Char Char Char Char Impa	anged Param. 1 anged Param. 2 nged Value 1? nged Value 2? nanged Opt. 2? nged Condensed	?

			IWED	A Sys	stem	Rule	es					
ID # 55 Syste	m Name	АН	-18				Rule 1 #	62	Rule 2#		Delete Rule	? Y
Old Color 1	New Color								Changed C	Color?		
Parameter 1 #	1 Old Param. 1 ID	blowingsa	nd	New P	aram. 1	ID				Cha	nged Param.	1?
Parameter 2 #	Old Param. 2 ID			New P	aram. 2	ID_				Cha	nged Param.	2?
Old Value 1	1		New Va	lue 1						Chan	ged Value1?	
Old Value 2			New Va	lue 2						Chan	ged Value 2?	
Old Operator 1	= New Opt. 1	Chang	ed Opt. 1	?	Old O	ot. 2	N	ew Opt	. 2	Ch	anged Opt. 2?	,
Old Condensed Impact	Blowing	Sand	New Co	ondense	ed					Chan	ged Condense t?	ed
Old Full Impact	Any occurrence of bl	owing sand red	uces visil	oility an	d will n	nake	hovering a	nd lan	ding diffic	ult.		
New Full Impact												
									Ch	anged	Full Impact?	
Li	st Cavalry Division, 19											
New Source/ Reason for Delete	lete Rule: No longer i	n inventory.										
Comments									<u> </u>			
Changed Source?	Υ		ere Any (2			N					e to Record?	Υ
ID# 56 System	m Name	AH-	15				Rule 1#	63	Rule 2#		Delete Rule	? Y
Old Color 2	New Color						٤		Changed C	olor?		لسسا
Parameter 1 #	21 Old Param. 1 ID	surfacewinds	peed	New Pa	aram. 1	ID				Cha	nged Param. '	1?
Parameter 2 #	Old Param. 2 ID			New Pa	aram. 2	ID				Cha	nged Param. 2	2? 🗍
Old Value 1	30		New Val	lue 1						Chang	ged Value1?	$\overline{\Box}$
Old Value 2			New Val	lue 2					\exists	Chang	ged Value 2?	$\overline{\Box}$
Old Operator 1	>= New Opt. 1	Change	ed Opt. 1?	?	Old Op	t. 2	Ne	ew Opt.	2	Cha	anged Opt. 2?	
Old Condensed Impact	Surface V	Vind	New Co		ed					Chang Impac	ged Condense t?	d
Old Full Impact	Surface wind speed >	· 30 kts during e	ngine sta	rt/shut	down n	nay c	ause the re	otor bla	ades to co	ntact t	ne fuselage.	
New Full Impact												$\overline{}$
												·
Old Source (1s	t Cavalry Division, 19	92);							Ch	anged I	Full Impact?	
New Source/ Reason for Delete	lete Rule: No longer ir	inventory.										
Comments												
Changed Source?	Υ	Are The	ere Any (2	2) Option	ns?	N	******		Any	Change	to Record?	Y

				IW	EDA Sy	stem	Rule	s					
ID # 57 Syste	m Name			AH-1S				Rule 1#	67	Rule 2#		Delete Rule	? ¥
Old Color 1	New	Color								Changed (Color?		
Parameter 1 #	21 Old	Param. 1 ID	surfacew	indspeed	New F	aram. 1					Ch	anged Param.	1?
Parameter 2 #	Old	Param. 2 ID			New F	aram. 2	ID				Ch	anged Param.	2?
Old Value 1		20		Nev	w Value 1						Cha	nged Value1?	
Old Value 2				Nev	w Value 2						Cha	nged Value 2?	
Old Operator 1	>= 1	lew Opt. 1	С	hanged O	pt. 1?	Old O	pt. 2	N	ew Op	t. 2	C	hanged Opt. 2?	$\cdot \sqcap$
Old Condensed Impact		Surface \	Wind		ew Condens	ed					Cha	nged Condense act?	ed
Old Full Impact	Surface	wind speed >	20 kts exc	eeds the	ability to st	art and	shut	down airci	aft sai	fely.			
New Full Impact													
Old Source (1	et Cavain	y Division, 19	92).							С	hanged	f Full Impact?	
<u></u>		: No longer i		•									
Comments													
Changed Source?	Υ		А	re There A	Any (2) Opti	ons?	N			Any	/ Chan	ge to Record?	Y
ID # 58 Syste	em Name			AH-1S				Rule 1#	75	Rule 2#		Delete Rule	? Y
Old Color 2	New	Color								Changed	Color?		
Parameter 1 #	20 Old	Param. 1 ID	surface	windgust	New F	aram. 1	ID_				Ch	anged Param.	1?
Parameter 2 #	Old	Param. 2 ID			New F	aram. 2	ID				Ch	anged Param.	2?
Old Value 1		30		Ne	w Value 1						Cha	nged Value1?	
Old Value 2				Ne	w Value 2						Cha	nged Value 2?	
Old Operator 1	>= 1	New Opt. 1	C	hanged O	pt. 1?	Old O	pt. 2	N	ew Op	t. 2	С	hanged Opt. 2?	,
Old Condensed Impact		Gus	t		ew Condens	sed					Cha Impa	nged Condense act?	ed
Old Full Impact	Surface	wind gust >=	30 kts exc	eeds the	system lim	its to sta	art en	gines.					
New Full Impact													
Old Source (1	et Caval-	y Division, 19	102).	,						С	hanged	d Full Impact?	
<u></u>		e: No longer i		•									
Comments													
Changed Source?	Y		A	re There A	Any (2) Opti	ons?	N		·	An	y Chan	ge to Record?	Υ

		IWED	A System Ru	iles	
ID# 59 Syste	m Name	AH-1S		Rule 1 # 77	Rule 2 # Delete Rule? Y
Old Color 2	New Color				Changed Color?
Parameter 1 #	12 Old Param. 1 ID	icingintensity	New Param. 1 ID		Changed Param. 1?
Parameter 2 #	Old Param. 2 ID		New Param. 2 ID		Changed Param. 2?
Old Value 1	1	New V	alue 1		Changed Value1?
Old Value 2		New V	alue 2		Changed Value 2?
Old Operator 1	> New Opt. 1	Changed Opt. 1	? Old Opt. 2	New Opt.	2 Changed Opt. 2?
Old Condensed Impact	Icing Alo	ft New C	condensed t		Changed Condensed Impact?
Old Full Impact	IAW AR95-1, aircraft ca	nnot fly into areas of i	cing intensity > lig	ht.	
New Full Impact					
Old Source (1s	st Cavalry Division, 1992)):		7	Changed Full Impact?
	lete Rule: No longer in i				
Comments					
Changed Source?	Υ	Are There Any	(2) Options?	N	Any Change to Record?
ID # 60 System Old Color 1	m Name New Color	AH-1S		Rule 1 # 79	Rule 2 # Delete Rule? Y changed Color?
Parameter 1 #	24 Old Param. 1 ID 1	urbulenceintensity	New Param. 1 ID		Changed Param. 1?
Parameter 2 #	Old Param. 2 ID		New Param. 2 ID		Changed Param. 2?
Old Value 1	1	New Va	alue 1		Changed Value1?
Old Value 2		New Va	alue 2		Changed Value 2?
Old Operator 1	> New Opt. 1	Changed Opt. 1	? Old Opt. 2	New Opt.	2 Changed Opt. 2?
Old Condensed Impact	Turbulence /	Aloft New C	ondensed		Changed Condensed Impact?
Old Full Impact	Moderate upper-level to	ırbulence degrades fly	ing safety.		
New Full Impact					
					Changed Full Impact?
Old Source (1s	t Cavalry Division, 1992);			
New Source/ De	lete Rule: No longer in i	nventory.			
Reason for Delete	iete Kule. No longer iii l				
Reason for	iete Ruie. No longe. III l				

		IWEL	DA System R	ules		
ID# 61 Syste	m Name	AH-1S		Rule 1#	80 Rule 2	# Delete Rule? Y
Old Color 2	New Color				Change	d Color?
Parameter 1 #	24 Old Param. 1 ID tu	rbulenceintensity	New Param. 1 II)		Changed Param. 1?
Parameter 2 #	Old Param. 2 ID		New Param. 2 II)		Changed Param. 2?
Old Value 1	2	New V	alue 1			Changed Value1?
Old Value 2		New V	alue 2			Changed Value 2?
Old Operator 1	> New Opt. 1	Changed Opt.	1? Old Opt	. 2 N	lew Opt. 2	Changed Opt. 2?
Old Condensed Impact	Turbulence Al	oft New (Condensed t			Changed Condensed Impact?
Old Full Impact	Upper-level turbulence >	moderate intensity	exceeds the oper	ating limits.		
New Full Impact						
						Changed Full Impact?
Old Source (1	st Cavalry Division, 1992);					
New Source/ Reason for Delete	elete Rule: No longer in inv	ventory.			<u>.</u>	
Comments						
Changed Source?	Υ	Are There Any	(2) Options?	N	Α	ny Change to Record?
ID # 62 Syste Old Color 1	m Name New Color	AH-1S		Rule 1#	85 Rule 2 Change	# Delete Rule? Y d Color?
Parameter 1 #	13 Old Param. 1 ID	pressurealtitude	New Param. 1 II	D		Changed Param. 1?
Parameter 2 #	Old Param. 2 ID		New Param. 2 II			Changed Param. 2?
Old Value 1	5000	New V	alue 1			Changed Value1?
Old Value 2		New V	alue 2			Changed Value 2?
Old Operator 1	> New Opt. 1	Changed Opt.	1? Old Opt	. 2 N	lew Opt. 2	Changed Opt. 2?
Old Condensed Impact	Pressure Altitu		Condensed	<u> </u>		Changed Condensed Impact?
Old Full Impact	Operating performance of	of rotary wing aircraf	t is decreased w	hen operating	at pressure al	titudes > 5000 ft.
New Full Impact			and the contract of the contra			
Old Source (1	st Cavalry Division, 1992);					Changed Full Impact?
New Source/ Reason for Delete	elete Rule: No longer in in	ventory.				
Comments						
Changed Source?	Y	Are There Any	(2) Options?	N	A	Any Change to Record?

					WED	A Sy	stem	Rui	es						
ID# 63 Syste	m Name			AH-1	S				Rule 1 #	86	Rul	e 2 #		Delete Rule	? Y
Old Color 2	New	Color									Chan	ged Col	or?		
Parameter 1 #	13 Old F	Param. 1 ID	press	surealtitud	de	New P	aram. 1	I ID					Chan	ged Param.	1?
Parameter 2 #	Old I	Param. 2 ID				New P	aram. 2	2 ID					Chan	ged Param.	2?
Old Value 1		10000] '	New Va	lue 1						C	Change	ed Value1?	
Old Value 2				1	New Va	lue 2						C	Change	ed Value 2?	
Old Operator 1	> N	lew Opt. 1		Changed	Opt. 1	?	Old C)pt. 2	N	lew Op	t. 2		Char	nged Opt. 2	?
Old Condensed Impact		Pressure	Altitude		New Compact	ondens	ed						Change mpact	ed Condens ?	ed
Old Full impact		g performan Actions ma										g at pre	ssure	altitudes >	
New Full Impact															
Old Source (1s	et Cavalno	Division, 1	3031.									Chan	ged F	ull impact?	
		: No longer		ory.											
Comments															
Changed Source?	Y			Are There	e Any (2	2) Optio	ons?	N				Any Ch	ange	to Record?	Y
ID# 64 System	m Name			AH-64	4				Rule 1#	7	Rule	2#		Delete Rule	? N
Old Color 1	New 0	Color 1									Chan	ged Colo	or?	N	
Parameter 1 #	22 Old F	Param. 1 ID	ten	perature		New P	aram. 1	ID	Ter	nperati	ure		Chang	ged Param.	1? N
Parameter 2 #	Old F	Param. 2 ID				New P	aram. 2	ID					Chang	ged Param.	2?
Old Value 1		-25		١	New Va	lue 1			- 25 F			C	hange	ed Value1?	N
Old Value 2				1	New Va	lue 2						C	hange	ed Value 2?	
Old Operator 1	<= N	ew Opt. 1	<=	Changed	Opt. 13	? N	Old O	pt. 2	N	ew Opt	t. 2		Char	nged Opt. 21	,
Old Condensed Impact		Cole	d		New Co Impact		ed		Extrem	e Cold			hange	ed Condens	ed Y
Old Full Impact	Surface t	temperature	s <= -25 F	may cau	se the	grease	on the	main	or tail rote	or shaf	ts to	congeal	•		
New Full Impact	Surface t	temperature	s <= -25 F	require s	special	handli	ng of el	laston	netric mat	erial in	the n	nain and	d/or ta	il rotor sha	fts.
												Chan	ged Fu	uli Impact?	Y
Old Source (1s	t Cavalry	Division, 19	992);									,		•	
New Source/ Reason for Delete	1 55-1520-	-238-10, Para	a 8-84d "d	aution", 8	3-84e "€	laston	neric m	ateria	l", Nov 199	92					
Comments															
Changed Source?	Υ			Are There	e Any (2	2) Optio	ns?	N				Any Ch	ange t	to Record?	Y

			IWEDA Sys	stem Rule	s			
ID# 65 System N	ame	AH-6	4		Rule 1 #	24 Rule 2 #	Delete Rule?	N
Old Color 1	New Color 1					Changed (Color? N	
Parameter 1 # 22	Old Param. 1 ID	temperature	New P	aram. 1 ID	Temp	erature	Changed Param. 1?	N
Parameter 2 #	Old Param. 2 ID		New P	aram. 2 ID			Changed Param. 2?	\equiv
Old Value 1	100		New Value 1		100 F		Changed Value1?	N
Old Value 2			New Value 2				Changed Value 2?	一
Old Operator 1 >=	New Opt. 1	>= Change	d Opt. 1? N	Old Opt. 2	New	Opt. 2	Changed Opt. 2?	\equiv
Old Condensed Impact	Hot		New Condense Impact	ed	Very Ho	ot	Changed Condensed Impact?	Y
Old Full Impact Ter	mperatures >= 100	F degrade aircra	t performance	•				
New Full Impact Tel	mperatures >= 100	F degrade aircra	t performance	•	4			
Old Source (1st C	avalry Division, 199	321.				C	hanged Full Impact?	N
	-1520-238-10, Para		lov 1992					
Comments								
Changed Source?	Y	Are The	re Any (2) Optio	ns? N		Any	Change to Record?	Y
ID# 66 System N	lame	AH-6	j 4		Rule 1#	32 Rule 2 #	Delete Rule?	N
Old Color 2	New Color 1					Changed (Color? Y	
Parameter 1 # 23	Old Param. 1 ID	thunderstorn	n New P	aram. 1 ID	Thund	erstorm	Changed Param. 1?	N
Parameter 2 #	Old Param. 2 ID		New P	aram. 2 ID			Changed Param. 2?	
Old Value 1	1		New Value 1		yes		Changed Value1?	Y
Old Value 2			New Value 2				Changed Value 2?	
Old Operator 1 =	New Opt. 1	= Change	d Opt. 1? N	Old Opt. 2	New	Opt. 2	Changed Opt. 2?	
Old Condensed Impact	Thunders	torm	New Condens Impact	ed	Thunders	torm	Changed Condensed Impact?	N
Old Full Impact An	y occurrence of the	understorms cur	tail aircraft and	refueling op	erations due	e to safely cor	siderations.	
New Full Impact Fli	ghts in thundersto	rms should be av	oided, causing	delays.				
						С	hanged Full Impact?	Y
Old Source (1st C	avalry Division, 19	92);						
New Source/ Reason for Delete	i-1, Para 5-2d(3), Ma	ay 1990						
Comments								
Changed Source?	Y	Are The	ere Any (2) Option	ons? N		An	y Change to Record?	Y

					IWED	DA Sy	stem	Rul	es						
ID # 67 Sy	ystem Nam	ie		AH-	64				Rule 1#	33	Ruk	e 2 #		Delete Rule	? N
Old Color	1 Ne	w Color 1									Chan	ged C	olor?	N	
Parameter 1 #	11 0	ld Param. 1 ID		hail		New P	aram. 1			Hail			Cha	nged Param.	1? N
Parameter 2 #	0	ld Param. 2 ID				New P	aram. 2	ID					Cha	nged Param.	2?
Old Value 1		1			New V	alue 1			Yes				Chang	ged Value1?	Y
Old Value 2				1	New V	alue 2							Chang	ged Value 2?	
Old Operator	1 =	New Opt. 1	=	Change	d Opt. 1	1? N	Old O	pt. 2	N	ew Op	t. 2		Cha	anged Opt. 21	, \sqcap
Old Condense Impact	ed	На	il		New C	Condens	ed		На	il			Chang Impac	ged Condens	ed N
Old Full Impact	t Any o	ccurrence of h	ail produ	ices haza	rdous v	weather	conditi	ons a	and reduce	s ope	ration	al cap	abilites	s.	
New Full Impac	Any o	ccurrence of h	ail produ	ces haza	rdous v	weather	conditi	ons a	and reduce	s opei	ration	al cap	abilites	s.	
Old Source	(1st Cava	Iry Division, 1	9921-									Cha	anged F	Full Impact?	
New Source/ Reason for Delete		, Para 12-7, Se							- 44004					· · · · · · · · · · · · · · · · · · ·	
Comments															
Changed Source	ce? Y			Are The	re Any ((2) Optio	ons?	N		,		Any (Change	to Record?	Y
ID# 68 Sy	stem Nam	е		AH-6	34				Rule 1#	56	Rule	2#[Delete Rule	? N
Old Color	2 Ne	w Color 1									Chang	ged Co	olor?	Y	
Parameter 1 #	10 0	d Param. 1 ID	fre	ezingrain		New Pa	aram. 1	ID	Free	zing F	Rain		Char	nged Param.	1? N
Parameter 2 #	01	d Param. 2 ID				New Pa	aram. 2	ID					Char	nged Param.	2?
Old Value 1		0			New Va	alue 1			None				Chang	ed Value1?	Y
Old Value 2					New Va	alue 2							Chang	ed Value 2?	
Old Operator 1	>	New Opt. 1	>	Change	d Opt. 1	? N	Old Op	ot. 2	Ne	w Opt	t. 2 [Cha	nged Opt. 2?	
Old Condensed Impact	d	Freezing	Rain		New C Impact	ondense t	∋d	4	Freezing	Rain			Chang Impact	ed Condense	ed N
Old Full Impact	Any o	ccurrence of fi	eezing ra	in delays	missic	on laund	h beca	use e	xposed air	craft r	nust l	oe dei	ced.		
New Full Impac	Any o	ccurrence of fa	eezing ra	in delays	missio	on laund	h beca	use e	xposed air	craft r	nust k	oe deid	ced.		
Old Source	(1st Cava	lry Division, 19	92);									Cha	inged F	full Impact?	N
New Source/ Reason for Delete	TM 55-152	20-238-10, Para	a 8-83, 8-8	84, Nov 9	2										
Comments			***												
Changed Sourc	e? Y			Are The	re Any (2) Optio	ns?	N				Any C	hange	to Record?	Y

				I۷	VEDA S	yste	n Rul	es						
ID # 69 Sys	stem Name			AH-64				Rule 1 #	60	Rule	2#		Delete Rule	? N
Old Color 1	l New	Color 1								Change	ed Colo	or?	N	
Parameter 1 #	17 Old	Param. 1 ID		snow	Nev	v Param	. 1 ID		Snow			Chan	ged Param.	1? N
Parameter 2#	Old	Param. 2 ID			Nev	v Param	. 2 ID					Chan	ged Param.	2?
Old Value 1		0		N	ew Value 1			None			C	hange	ed Value1?	Y
Old Value 2				N	ew Value 2	2					C	hange	ed Value 2?	
Old Operator 1	>	New Opt. 1	>	Changed	Opt. 1?	N OK	Opt. 2	N	lew Op	t. 2		Char	nged Opt. 23	?
Old Condensed Impact	3	Sno	w		New Conde	ensed		Light	Snow			hange npact	ed Condense ?	ed Y
Old Full Impact	Any oc	currence of s	nowfall pr	oduces ha	azardous v	weathe	conditi	ons and re	educes	operat	ional d	apab	ilities.	
New Full Impact	Any oc	currence of s	nowfail pr	oduces ha	azardous v	weathe	conditi	ons and re	educes	operat				
Old Source	(1st Cavalı	ry Division, 1	992);								Chan	ged F	ull Impact?	Υ
		0-238-10, Par		4, Nov 92										
Comments					· ·									
Changed Source	e? Y			Are There	Any (2) O	ptions?	N				Any Ch	nange	to Record?	Y
ID # 70 Sys	stem Name			AH-64				Rule 1#	62	Rule			Delete Rule	? N
Old Color	1 New	Color 1								Change	ed Colo		N	
Parameter 1 #	1 Old	Param. 1 ID	blov	wingsand		v Paran	<u></u>	Blo	wing S	and			ged Param.	
Parameter 2 #	Old	Param. 2 ID			Nev	v Paran	1. 2 ID					Chan	ged Param.	
Old Value 1		1		N	lew Value	1		Yes			C	Change	ed Value1?	Υ
Old Value 2				N	lew Value							Change	ed Value 2?	
Old Operator 1	=	New Opt. 1	=	Changed	Opt. 1?	N O	d Opt. 2	1	New Op	t. 2		Cha	nged Opt. 2	?
Old Condensed Impact	d	Blowing	Sand		New Conde Impact	ensed		Blowin	g Sand	1		Change mpact	ed Condens ?	ed N
Old Full Impact	Any oc	currence of I	olowing sa	ind reduce	s visibility	and w	ill make	hovering	and la	nding d	lifficult	t.		
New Full Impac	t Any oc	currence of i	olowing sa	nd reduce	es visibility	and w	ill make	hovering	and la	nding d	lifficul	t.		
											Chan	aed F	full Impact?	N
Old Source	(1st Caval	ry Division, 1	992);								J.141			
New Source/ Reason for Delete	FM 1-202,	Para 2-3b, 2-	6, Feb 198	3										
Comments														
Changed Source	æ? Y			Are There	e Any (2) C	ptions?	N				Any Cl	hange	to Record?	Υ

					IWE	DA Sy	stem F	≀ule	S							
ID # 71 Sy	stem	Name		AH-	-64				Rule 1 #	63	Rule	2#[Delete Rule	∍? [N
Old Color	1	New Color 1									Chang	ed Col	lor?	N		
Parameter 1 #	21	Old Param. 1 ID	surfac	cewinds	peed	New F	Param. 1 ii	D	Surf	ace W	inds		Char	nged Param.	1?	N
Parameter 2 #		Old Param. 2 ID				New F	Param. 2 II	D					Char	nged Param.	2?	
Old Value 1		30			New V	alue 1			45 kts.			(Chang	jed Value1?	Ì	Y
Old Value 2				Ī	New V	alue 2							Chang	ed Value 2?	Ĭ	
Old Operator 1	1 >	New Opt. 1	>	Change	ed Opt.	1? Y	Old Opt	. 2	N	ew Op	t. 2		Cha	nged Opt. 2	? [
Old Condense Impact	d	Surface	Wind		New 0	Condens	sed	Si	trong Sur	face W	/ind		Chang Impaci	ed Condens t?	ed [Υ
Old Full Impact	S	urface wind speed	> 30 kts	impacts	the abil	ity to op	perate saf	ely a	t NOE alti	tudes.	•					
New Full Impac	et S	urface winds > 45 I	kts. may i	mpact g	round o	peratio	ns, rotors	sho	uld not be	e start	ed/stop	pped.				
Old Source	(1st (Cavalry Division, 1	992):									Char	nged F	full Impact?		Υ
New Source/ Reason for Delete		-1520-238-10, Para		1996												
Comments																ᅱ
Changed Source	æ?	Y		Are The	ere Any	(2) Optio	ons?	N			,	Any CI	hange	to Record?		Y
ID # 72 Sys	stem I	Name		AH-	64			F	Rule 1 #	68	Rule 2	2#		Delete Rule	? [N
Old Color 2	2	New Color 2									Change		or?	N	_	
Parameter 1 #	21	Old Param. 1 ID	surfac	ewindsp	eed	New P	aram. 1 IE)	Surface	Wind	Speed		Chan	ged Param.	1?	N
Parameter 2 #		Old Param. 2 ID				New P	aram. 2 IE)					Chan	ged Param.	2?[
Old Value 1		45			New Va	alue 1		4	15 kts.			C	Change	ed Value1?		N
Old Value 2					New Va	alue 2						C	Change	ed Value 2?		
Old Operator 1		New Opt. 1	>	Change	ed Opt. 1	? N	Old Opt.	. 2	Ne	ew Opt	. 2		Cha	nged Opt. 27	, [
Old Condensed Impact	d	Surface	Wind		New C Impac	Condens t	ed	St	rong Surf	ace W	ind		Change mpact	ed Condense ?	∍d [Υ
Old Full Impact	Sı	urface wind speed	>= 45 kts	exceeds	the sys	stem op	eratin lim	nits to	o start eng	gines.						
New Full Impact	t St	urface wind speed	>= 45 kts	exceeds	the sys	stem op	erating li	mits	to start er	ngines	.					
Old Source	(1st C	Cavalry Division, 19	92);									Chan	ged F	ull Impact?		N
New Source/ Reason for Delete	TM 5	5-1520-238-10, Para	8-58, No	ov 1992												
Comments																Ī
ا Changed Source	e?	Y		Are The	ere Any ((2) Optio	ns?	N				ny Ch	nange	to Record?		Y

				IWEL	DA Sys	stem Ru	ıles					
ID # 73 Syste	em Name			AH-64			Rule 1#	77	Rule 2#		Delete Rule	? N
Old Color 1	New	Color 1							Changed	Color?	N	
Parameter 1 #	12 Old I	Param. 1 ID	icingi	ntensity	New P	aram. 1 ID	lcir	ng Inten	sity	Cha	nged Param.	1? N
Parameter 2 #	Old I	Param. 2 ID			New P	aram. 2 ID				Cha	nged Param. 2	2?
Old Value 1		11		New V	alue 1		Light			Chang	ged Value1?	Y
Old Value 2				New V	alue 2					Chang	ged Value 2?	
Old Operator 1	> 1	lew Opt. 1	> (Changed Opt.	1? N	Old Opt.	2	New Op	t. 2	Cha	anged Opt. 2?	
Old Condensed Impact		Icing A	loft	New 0	Condens t	ed	lcing	Aloft		Chang Impac	ged Condense xt?	d N
Old Full Impact	Upper-le	vel icing inte	ensity > lig	ht may degrad	de perfo	rmance.						
New Full Impact				ht may degradetector sensi			the aircraft	is flying	between	(~ icing	base) & (~ id	ing
Old Source (1	st Cavain	/ Division, 19	992):						C	hanged	Full Impact?	Y
<u></u>		-238-10, Para		, Nov 1992		****	<u>l</u>					
Comments												
ID# 74 Syste	em Name			AH-64			Rule 1#	78	Rule 2 #	<u> </u>	Delete Rule	? N
Old Color 2	New	Color 2					_		Changed	Color?	N	
Parameter 1 #	12 Old	Param. 1 ID	icingi	ntensity	New P	aram. 1 ID	lci	ng Inten	sity	Cha	nged Param.	1? N
Parameter 2 #	Old	Param. 2 ID			New P	aram. 2 ID				 Cha	nged Param. 2	27
Old Value 1		2		New V	alue 1		Moderate			Chang	ged Value1?	Y
Old Value 2				New V	alue 2					Chang	ged Value 2?	
Old Operator 1	> 1	New Opt. 1	> (Changed Opt.	1? N	Old Opt.	2	New Op	t. 2	Cha	anged Opt. 2?	
Old Condensed Impact		Icing A	Noft	New (Condens	sed	Severe I	cing Ale	oft	Chang	ged Condense ct?	ed Y
Old Full Impact	IAW AR	95-1, aircraft	cannot fly	into areas of	icing int	tensity > m	oderate.					
New Full Impact		cannot fly in se) and (~ ic			ecast up	oper level i	icing > mod	erate in	tensity at	flight le	vels between	(~
	L								C	hanged	Full Impact?	Y
Old Source (1	ist Cavair	y Division, 1	992);									
New Source/ Reason for Delete	M 55-1520)-238-10, Par	a 5-23, Nov	1992								
Comments												
Changed Source	? Y			Are There Any	(2) Option	ons?	N		An	y Chang	e to Record?	Y

				IWED	OA Sy	stem R	ules		· .			
ID # 75 Sy	ystem Nam	пе		AH-64			Rule 1#	79	Rule 2 #		Delete Rule	e? N
Old Color	1 Ne	ew Color 1						(Changed	Color?	N	
Parameter 1 #	24 0	ld Param. 1 ID	turbulen	ceintensity	New P	aram. 1 ID	Turbule	ence in	tensity	Cha	nged Param.	1? N
Parameter 2 #	0	ld Param. 2 ID			New P	aram. 2 ID				Cha	nged Param.	2?
Old Value 1		1		New Va	alue 1		Light			Chang	ged Value1?	Y
Old Value 2				New Va	alue 2					Chang	ged Value 2?	
Old Operator	1 >	New Opt. 1	>	Changed Opt. 1	? N	Old Opt.	2 N	lew Opt	. 2	Cha	anged Opt. 2	?
Old Condense Impact	ed	Turbulenc	e Aloft	New C Impac	Condens t	ed N	Moderate Turi	bulence	e Aloft	Chang Impac	ged Condens t?	ed Y
Old Full Impact	t Uppe	r-level turbulend	e > light i	ntensity degra	des flyi	ng safety.						
New Full Impac		r-level turbulend bulence tops) fe						t is flyii	ng betwe	en (~ tur	bulence bas	e) &
Old Source	(1st Cava	alry Division, 19	921.						С	hanged f	Full Impact?	Y
New Source/		520-238-10, Para		1992								
Reason for Delete	11W 33-13	20-236-10, Fala	0-35, 1404	1332								
Comments												
Changed Source	ce? Y]	,	Are There Any ((2) Optio	ons?	N		Any	Change	to Record?	Y
ID# 76 Sy	stem Nam	e		AH-64			Rule 1 #	80	Rule 2#		Delete Rule	? N
Old Color	2 Ne	w Color 2						(Changed (Color?	N	
Parameter 1 #	24 O	ld Param. 1 ID	turbulen	ceintensity	New Pa	aram. 1 ID	Turbule	nce Int	tensity	Chai	nged Param.	1? N
Parameter 2 #	0	ld Param. 2 ID			New Pa	aram. 2 ID				Char	nged Param.	2?
Old Value 1		2		New Va	alue 1		Moderate			Chang	jed Value1?	Y
Old Value 2				New Va	alue 2					Chang	jed Value 2?	
Old Operator 1	1 >	New Opt. 1	> (Changed Opt. 1	? N	Old Opt.	2 N	ew Opt.	. 2	Cha	anged Opt. 23	?
Old Condense Impact	ed	Turbulence	e Aloft	New C Impact	ondense t	ed	Severe Turbi	llence /	Aloft	Chang Impac	jed Condense t?	ed Y
Old Full Impact	Upper	r-level turbulend	e > mode	rate intensity e	xceeds	the opera	ting limits.					
New Full Impac		eft will not be int bulence tops). In						nt level	is betwe	en (~ tur	bulence bas	e) &
Old Source	(1st Cava	alry Division, 19	92);						C	nanged F	Full Impact?	Υ
New Source/ Reason for Delete		Para 5-2d(2), Ma 20-238-10, Para		ov 1992								
Comments												
Changed Source	ce? Y]	-	Are There Any (2) Optio	ns?	N		Any	Change	to Record?	Y

IWEDA System Rules ID# 77 System Name AH-64 Rule 1# 83 Rule 2# Delete Rule? Changed Color? Old Color 1 **New Color** 25 Old Param. 1 ID upperairwindspeed New Param, 1 ID Changed Param. 1? Parameter 1 # Parameter 2 # Old Param. 2 ID New Param, 2 ID Changed Param. 2? Old Value 1 17 New Value 1 Changed Value1? New Value 2 Old Value 2 Changed Value 2? Changed Opt. 1? Old Opt. 2 New Opt. 2 Changed Opt. 2? Old Operator 1 New Opt. 1 Old Condensed Winds Aloft **New Condensed** Changed Condensed Impact Impact Impact? Upper-level wind speed >= 17 kts at flight level makes target acquisition difficult because of the increased time Old Full Impact needed to acquire targets. New Full Impact Changed Full Impact? (1st Cavalry Division, 1992); Old Source Delete Rule: Not significant. New Source/ Reason for Delete Comments Υ Υ Are There Any (2) Options? N Changed Source? Any Change to Record? AH-64 Rule 2# Delete Rule? ID# 78 System Name Rule 1# 85 Old Color **New Color** Changed Color? N New Param. 1 ID Pressure Altitude Changed Param. 1? N Parameter 1 # Old Param. 1 ID pressurealtitude New Param. 2 ID Changed Param. 2? Parameter 2 # Old Param. 2 ID Old Value 1 5000 New Value 1 5000 ft. Changed Value1? New Value 2 Changed Value 2? Old Value 2 Changed Opt. 2? Old Operator 1 New Opt. 1 Changed Opt. 1? N Old Opt. 2 New Opt. 2 **High Pressure Altitude** Changed Condensed Old Condensed Pressure Altitude **New Condensed** Impact? Impact Impact Operating performance of rotary wing aircraft is decreased when operating at pressure altitudes > 5000 ft. Old Full Impact Operating performance of rotary wing aircraft may be decreased when operating at pressure altitudes > 5000 ft. New Full Impact Υ Changed Full Impact? (1st Cavalry Division, 1992); Old Source TM 1-1520-238-10, Chapter 7, Sep 1996 New Source/ FM 1-230, Para 5-8, Sep 1982 Reason for Delete Comments Any Change to Record? Υ Υ Are There Any (2) Options? N Changed Source?

						IWE	DA S	/sten	n Rui	es							
ID # 79		m Name			АН	l-64				Rule 1#	86	Rui	e 2 # [Delete Rul	le?	Y
Old Color	2		Color				-					Chan	ged Co	_			
Parameter	1#		Param. 1 ID	pres	surealti	tude	=	Param.	<u></u>					_ Cha	nged Param	. 1?	<u></u>
Parameter	2#	Old	Param. 2 ID				New	Param.	2 ID					Cha	nged Param	. 2?	
Old Value	1		10000			New V	alue 1							Chang	ged Value1?		
Old Value	2					New V	alue 2							Chang	ged Value 27	? [
Old Opera	tor 1	> 1	New Opt. 1		Chang	ed Opt.	1?	Old	Opt. 2	N	ew Op	t. 2		Cha	anged Opt. 2	??	
Old Conde Impact	ensed		Pressure	Altitude		New 0	Conden:	sed						Chang	ged Condens t?	sed [
Old Full Imp	pact		ng performa ft. Actions m										g at pr	essure	altitudes >	•	
New Full Im	npact																
Old Source	(1)	st Cavair	y Division, 1	992).									Cha	inged I	Full Impact?		
New Source Reason for Delete	e/ De	elete Rule	e: This is too		ve. Pilot	has opt	ions. D	elete a	s a red	l condition.	It is in	nclud	ed in y	ellow	condition (2	> 500	00
Comments																	乛
Changed So	ource?	Y			Are Th	ere Any	(2) Opti	ons?	N]			Any C	Change	to Record?		Υ
ID# 80	Syste	m Name			AH	-64				Rule 1#	106	Rule	92#	106	Delete Rule	e? [N
Old Color	11	New	Color 1								(Chan	ged Co	lor?	N		
Parameter ²	1#	4 Old	Param. 1 ID	cle	oudcove	r	New F	Param.	1 ID	Clo	ud Co	ver		Char	nged Param.	. 1?	N
Parameter 2	2#	3 Old	Param. 2 ID	cl	oudbase	•	New F	Param.	2 ID	Clo	ud Ba	se		Char	nged Param.	2?	N
Old Value	1		0			New Va	alue 1			none				- Chang	jed Value1?	ſ	Υ
Old Value	2		300		Ī	New Va	alue 2	300 F	t.					Chang	jed Value 2?	· Ī	N
Old Operat	tor 1	> 1	New Opt. 1	>	Chang	ed Opt. 1	? N	Old	Opt. 2	<= N	ew Opt	. 2	<=	Cha	inged Opt. 2	? [N
Old Conde Impact	nsed		Clou	ds		New C	Condens t	sed		Very Low	Cloud	ls		_ Chang Impac	jed Condens t?	ed	Υ
Old Full Imp	oact	Cloud b	ases <= 300	ft reduce	mobility	y and eff	ectiver	iess.							,		
New Full Im	pact	Cloud b	ases <= 300	ft reduce	mobility	y and eff	ectiver	iess.									
Old Source	(15	t Cavain	y Division, 1	992):									Cha	nged F	full Impact?	L	N
New Source Reason for Delete	e/ Int	erview w	vith Mr. John VA, Aug 199	Benham	, Instruc	tor Pilot	, Chief	Aviation	on App	olied Techn	ology	Direc	torate,	Felke	r Army Airfi	ield,	
Comments																	
Changed So	ource?	Y	***************************************		Are Th	ere Any ((2) Option	ons?	Υ]	-		Any C	hange	to Record?		Y

				IWED	A Sys	stem	Rule	es					
ID# 81 Syste	m Name		С	-12				Rule 1#	56	Rule 2 #		Delete Rule?	N
Old Color 2	New C	olor 1								Changed	Color?	Y	
Parameter 1 #	10 Old P	aram. 1 ID	freezingra	in	New P	aram. 1	ID_	Free	zing R	tain	Cha	anged Param. 1	? N
Parameter 2 #	Old P	aram. 2 ID			New P	aram. 2	ID[Cha	inged Param. 2	??
Old Value 1		0		New Va	alue 1			None			Chan	ged Value1?	Y
Old Value 2				New Va	alue 2						Chan	ged Value 2?	
Old Operator 1	> Ne	ew Opt. 1	> Chang	ged Opt. 1	? N	Old O	pt. 2	N	ew Opt	. 2	Ch	anged Opt. 2?	
Old Condensed Impact		Freezing R	ain	New C	Condens t	ed		Freezin	g Rain		Chan Impa	ged Condense	d N
Old Full Impact	Freezing	rain may dela	y mission lau	nch and	recover	y due to	icy r	unway co	ndition	s and de	cing of	aircraft.	
New Full Impact	Freezing	rain > none m	ay lead to de	ay or car	ncelatio	n of mis	ssions	s.					
Old Source (1	st Cavalry	Division, 1992	2):							C	hanged	Full Impact?	Y
		218-10, Para 8											
Comments TI	VI does not	mention inte	nsity.		***								
Changed Source?	Y		Are T	nere Any	(2) Optic	ns?	N			An	y Chang	e to Record?	Υ
ID # 82 Syste	em Name	color 1	C	-12				Rule 1 #	58	Rule 2 # Changed	L	Delete Rule?	N
Parameter 1 #	17 Old P	aram. 1 ID	snow		New P	aram. 1	1D		Snow		Cha	inged Param. 1	? N
Parameter 2 #	Old P	aram. 2 ID			New P	aram. 2	ID				Cha	anged Param. 2	??
Old Value 1		3		New V	alue 1			Heavy			Chan	ged Value1?	Υ
Old Value 2				New V	alue 2						Chan	ged Value 2?	
Old Operator 1	= Ne	ew Opt. 1	= Chang	ged Opt. 1	1? N	Old O	pt. 2	N	ew Opt	t. 2	Ch	anged Opt. 2?	
Old Condensed Impact		Snow		New C	Condens t	ed		Heavy	Snow		Chan Impa	ged Condense ct?	d Y
Old Full Impact	Heavy sn	ow delays mi	ssion launch	and reco	very due	to low	ceili	ngs and vi	sibilitie	es.			
New Full Impact	Heavy sn	ow delays mi	ssion launch	and reco	very du	e to low	ceili	ngs and vi	sibilitie	es.			
Old Course	-4 C	Division 400	n).							C	hanged	Full Impact?	N
L		Division, 199 a 5-2d(5), May											
Comments	18.00	Professional vides and the second											
Changed Source?	Υ		Are T	here Any	(2) Optio	ons?	N			An	y Chang	e to Record?	Y

			IWEDA Sy	stem Ru	les			
ID # 83 Syste	em Name	C-	12		Rule 1 # 66	Rule 2#	Delete Rule?	N
Old Color 1	New Color 1					Changed C	olor? N	
Parameter 1 #	21 Old Param. 1 ID	surfacewinds	peed New I	Param. 1 ID	Surface Wind	l Speed	Changed Param. 1	? N
Parameter 2 #	Old Param. 2 ID		New I	Param. 2 ID			Changed Param. 2	?
Old Value 1	25		New Value 1		25 kts.		Changed Value1?	N
Old Value 2			New Value 2				Changed Value 2?	
Old Operator 1	>= New Opt. 1	> Chang	ed Opt. 1? Y	Old Opt. 2	New Op	t. 2	Changed Opt. 2?	
Old Condensed Impact	Surface \	Wind	New Condens Impact	sed	Surface Wind	ı	Changed Condensed Impact?	dN
Old Full Impact	Surface winds > 25 k	ts degrade aircr	aft ability to tak	e off and lan	id safely.			
New Full Impact	Surface winds > 25 k	ts may degrade	aircraft ability t	o take off an	d land safely.			
Old Source (1	Ist Cavalry Division, 19	02).			1	Cha	anged Full Impact?	Y
	M 55-1510-218-10. Para							
Reason for Ir	nterview with Mr. John t. Eustis, VA, Aug 1997	Benham, Instruc	ctor Pilot, Chief	Aviation Ap	plied Technology	Directorate	, Felker Army Airfiel	ld,
Comments								
Changed Source	? Y	Are Th	ere Any (2) Opti	ons? N]	Any (Change to Record?	Y
ID# 84 Syste	em Name	C-	12	·	Rule 1 # 68	Rule 2#	Delete Rule?	Υ
Old Color 2	New Color					Changed Co	olor?	
Parameter 1 #	21 Old Param. 1 ID	surfacewinds	peed New F	Param. 1 ID			Changed Param. 1	?
Parameter 2 #	Old Param. 2 ID		New F	Param. 2 ID			Changed Param. 2	?
Old Value 1	45		New Value 1		45 kts.		Changed Value1?	
Old Value 2			New Value 2				Changed Value 2?	
Old Operator 1	> New Opt. 1	> Chang	ed Opt. 1?	Old Opt. 2	New Op	t. 2	Changed Opt. 2?	
Old Condensed Impact	Surface \	Wind	New Condens Impact	sed			Changed Condensed Impact?	i
Old Full Impact	Surface winds > 45 ki	ts exceed aircra	ft ability to take	off and land	l safely.			
New Full Impact								
Old Source (1	st Cavalry Division, 19	92);				Cha	anged Full Impact?	
New Source/ Reason for Delete	elete Rule: No longer i	n TM. Included i	n rule ID# 83					
Comments								
Changed Source?	Y	Are Th	ere Any (2) Opti	ons? N		Any (Change to Record?	Y

IWEDA System Rules

ID# 85 Syste	em Nam	e		C-12					Rule 1#	78	Ru	le 2#		Delete Rule	? N
Old Color 2	Ne	w Color 1									Cha	nged C	olor?	Y	
Parameter 1 #	12 0	ld Param. 1 ID	icin	gintensity	Nev	/ Par	am. 1 li	D	!ci	ng Inten	sity		Cha	nged Param.	1? N
Parameter 2 #	0	ld Param. 2 ID			Nev	/ Par	am. 2 II	D					Cha	nged Param.	2?
Old Value 1		2		1	New Value 1			٨	Moderate				Chang	ged Value1?	Y
Old Value 2				1	New Value 2	2							Chang	ged Value 2?	
Old Operator 1	>	New Opt. 1	>	Changed	Opt. 1? [N (Old Opt	t. 2		New Op	t. 2		Cha	anged Opt. 2	?
Old Condensed Impact		Icing A	loft		New Conde Impact	nsed			Severe I	cing Ald	oft		Chang Impad	ged Condens t?	ed Y
Old Full Impact		aloft > moderat ms engaged.	te creates	conditio	ns which e	ceed	d aircra	aft at	oility to f	y safely	, ev	en with	anit-io	ing and dei	cing
New Full Impact		> moderate into ft ability to fly									SL cr				
Old Source (1	let Cau	alry Division, 1	2021-									Ch	anged I	Full Impact?	Y
		510-218-10, Par		b 1994											
Comments															
		7		Are Ther	o Any (2) O	ntion	-2	N]			Anv	Change	e to Record?	
Changed Source?	? Y			Ale Illei	e Any (2) O	puon	3:	14				Ally	Onlange	o necora:	Ľ
E															
ID# 86 Syste	em Nan	ne		C-12					Rule 1#	79	Ru	ıle 2 #		Delete Rul	e? Y
Old Color 1	Ne	ew Color									Cha	nged C	olor?		
Parameter 1 #	24 C	old Param. 1 ID	turbule	enceinten	sity Nev	v Par	am. 1 l	D					Cha	nged Param	. 1?
Parameter 2 #	c	old Param. 2 ID			Nev	v Par	ram. 2 !	D					Cha	nged Param	. 2?
Old Value 1		1			New Value	1							Chan	ged Value1?	
Old Value 2					New Value	2_[.,						Chan	ged Value 2?	· 🖳
Old Operator 1	>	New Opt. 1	>	Changed	i Opt. 1?		Old Op	t. 2		New Op	ot. 2			anged Opt. 2	
Old Condensed impact		Turbulen			New Condo Impact		L						Chan	ged Condens	sed
Old Full Impact	Turb	ulence > light a	loft make	s the plat	form unsta	ble a	nd deg	grade	es senso	r perfor	man	ce.			
New Full Impact															
	L							-				Cl	nanged	Full Impact?	
Old Source (1	1st Cav	alry Division, 1	992);												
New Source/ Reason for Delete	Delete R	Rule: Included i	n Rule ID	# 87											
Comments															
Changed Source	? Y	<u>′</u>		Are The	re Any (2) C	ption	is?	N]			Any	Chang	e to Record?	Υ

					IWEL	JA Sy	stem	Rui	es					
ID # 87 Sy	ystem Name			C-1	2	.,			Rule 1#	80	Rule 2	#	Delete Rul	e? N
Old Color	2 New	Color 1								C	hange	d Color?	Y	
Parameter 1 #	24 Old	Param. 1 ID	turbule	enceinte	nsity	New F	aram.	1 ID	Turbule	nce Int	ensity	Cha	anged Param	. 1? N
Parameter 2 #	Old	Param. 2 ID				New F	Param.	2 ID				Cha	anged Param	. 2?
Old Value 1		2			New V	alue 1			Moderate			Chan	ged Value1?	Y
Old Value 2					New V	aiue 2						Chan	ged Value 2?	,
Old Operator	1 >	New Opt. 1	>	Change	ed Opt. 1	1? N	Old	Opt. 2	N	ew Opt.	2	Cha	anged Opt. 2	?
Old Condense Impact	ed	Turbulend	e Aloft		New C Impac	Condens t	ed	S	evere Turbı	ilence A	loft	Chang	ged Condens	sed Y
Old Full Impact		nce > moder conditions fo		nakes th	e platfo	rm ver	y unsta	able, s	everely deg	rades s	sensor	performa	ince, and cre	ates
New Full Impac		f > moderate I since it mak												
Old Source	(1st Cavalr	y Division, 19	92);								(Changed I	Full Impact?	Y
New Source/ Reason for Delete	TM 55-1510)-218-10, Para	8-63, Fe	b 1994										
Comments														
Changed Source	ce? Y			Are The	re Any ((2) Optio	ons?	N			1A	ıy Change	e to Record?	Y
ID# 88 Sy	stem Name			CH-4	7D				Rule 1#	7	Rule 2	#	Delete Ruis	e? N
Old Color	1 New	Color 1								С	hanged	Color?	N	
Parameter 1 #	22 Old	Param. 1 ID	tem	perature)	New P	aram.	1 ID	Tem	peratur	е	Chai	nged Param.	1? N
Parameter 2 #	Old	Param. 2 ID				New P	aram. 2	2 ID				Chai	nged Param.	2?
Old Value 1		-25			New Va	alue 1			- 25 F			Chang	ged Value1?	N
Old Value 2					New Va	alue 2						Chang	ged Value 2?	
Old Operator 1	<= N	New Opt. 1	<=	Change	d Opt. 1	? N	Old C	Opt. 2	Ne	w Opt.	2	Cha	anged Opt. 2	?
Old Condense Impact	d	Cold	1		New C	ondens	ed		Extreme	Cold		Chang Impac	ged Condens tt?	ed Y
Old Full Impact	Surface	temperatures	s <= -25 F	may ca	use gre	ase on	the rot	or sha	afts to cong	eal.				
New Full Impac	Surface	temperatures	s <= - 25 l	F require	specia	l lubric	ants.							
	L										(Changed F	Full Impact?	Y
Old Source	(1st Cavalr	Division, 19	92);											
New Source/ Reason for Delete	TM 55-1520	-240-10, Tabl	e 2-3 - No	ote C, Fe	b 1997									
Comments														
Changed Source	ce? Y			Are The	re Anv (2) Optio	ns?	N	1		Ar	v Change	e to Record?	Y

IWEDA System Rules ID# 89 System Name CH-47D Rule 1# 32 Rule 2# Delete Rule? **New Color** Changed Color? Υ Old Color 2 Parameter 1 # 23 Old Param. 1 ID thunderstorm New Param. 1 ID Thunderstorm Changed Param. 1? Parameter 2 # Old Param. 2 ID New Param. 2 ID Changed Param. 2? Old Value 1 New Value 1 yes Changed Value1? Old Value 2 New Value 2 Changed Value 2? Old Operator 1 New Opt. 1 Changed Opt. 1? N Old Opt. 2 New Opt. 2 Changed Opt. 2? Old Condensed Thunderstorm **New Condensed** Thunderstorm Changed Condensed Impact Impact? Impact Old Full Impact Any occurrence of thunderstorms curtail aircraft and refueling operations due to safety considerations. Any occurrence of thunderstorms curtails refueling operations and requires flight away from proximity resulting in New Full Impact Y Changed Full Impact? Old Source (1st Cavalry Division, 1992); TM 55-1520-240-10, Para 8-84, Feb 1997 New Source/ Reason for Delete Comments Υ Changed Source? Υ Are There Any (2) Options? N Any Change to Record? CH-47D Delete Rule? ID# 90 System Name Rule 1# 33 Rule 2# Old Color **New Color** Changed Color? N Changed Param. 1? N Old Param. 1 ID hail New Param. 1 ID Hail Parameter 1 # New Param. 2 ID Changed Param. 2? Parameter 2 # Old Param. 2 ID Old Value 1 New Value 1 yes Changed Value1? New Value 2 Changed Value 2? Old Value 2 N Old Opt. 2 Changed Opt. 1? Changed Opt. 2? Old Operator 1 New Opt. 1 New Opt. 2 **New Condensed Changed Condensed** Old Condensed Hail Hail Impact? Impact Impact Any occurrence of hail produces hazardous weather conditions and reduces operational capabilities. Old Full Impact New Full Impact Any occurrence of hail produces hazardous weather conditions and reduces operational capabilities. N Changed Full Impact? Old Source (1st Cavalry Division, 1992);

Υ

FM 1-230, Para 12-7, Sep 1982

New Source/

Changed Source?

Reason for Delete Comments

N

Are There Any (2) Options?

Any Change to Record?

Υ

IWEDA System Rules CH-47D ID# 91 System Name Rule 1# 56 Rule 2# Delete Rule? Υ Old Color **New Color** Changed Color? freezingrain New Param, 1 ID Parameter 1 # 10 Old Param. 1 ID Freezing Rain Changed Param. 1? N New Param. 2 ID Parameter 2 # Old Param. 2 ID Changed Param. 2? Old Value 1 0 New Value 1 None Changed Value1? Old Value 2 New Value 2 Changed Value 2? Old Operator 1 Changed Opt. 1? N Old Opt. 2 New Opt. 1 New Opt. 2 Changed Opt. 2? Old Condensed Freezing Rain **New Condensed** Light Freezing Rain **Changed Condensed** Impact Impact Impact? Old Full Impact Any occurrence of freezing rain delays mission launch because exposed aircraft must be deiced. New Full Impact Any occurrence of freezing rain delays mission launch because exposed aircraft must be deiced. N Changed Full Impact? Old Source (1st Cavalry Division, 1992); New Source/ TM 55-1520-240-10, Para 5-36, Feb 1997 Reason for Delete Comments TM only refers to generic freezing rain and does not discuss exceeding aircraft deicing capability. Changed Source? Υ Are There Any (2) Options? Ν Any Change to Record? Υ ID# 92 CH-47D Rule 1# 60 Rule 2# Delete Rule? N System Name **Changed Color?** N **New Color** Old Color New Param. 1 ID Changed Param. 1? N Parameter 1 # Old Param. 1 ID snow Snow Changed Param. 2? Parameter 2 # Old Param. 2 ID New Param. 2 ID New Value 1 None Old Value 1 0 Changed Value1? Old Value 2 New Value 2 Changed Value 2? Changed Opt. 1? N Old Opt. 2 Old Operator 1 New Opt. 1 Changed Opt. 2? New Opt. 2 Changed Condensed N Old Condensed Snow **New Condensed** Snow Impact Impact Impact? Old Full Impact Any occurrence of snowfall produces hazardous weather conditions and reduces operational capabilities. New Full Impact Any occurrence of snowfall produces hazardous weather conditions and reduces operational capabilities. Ν Changed Full Impact? Old Source (1st Cavalry Division, 1992); New Source/ TM 55-1520-240-10, Para 5-36 & 8-65, Feb 1997 Reason for Delete Comments Changed Source? Y Are There Any (2) Options? N Υ Any Change to Record?

				1/	NED	A Sys	stem	Rule	es							
ID # 93 Syste	em Name			CH-470)				Rule 1#	62	Rule	2#[Delete Rul	e? [N
Old Color 1	New	Color 1									Change	ed Co	lor?	N		
Parameter 1 #	1 Old	Param. 1 ID	blow	vingsand		New P	aram. 1	ID	Blo	wing S	and		Char	nged Param	. 1?[N
Parameter 2 #	Old	Param. 2 ID				New Pa	aram. 2	2 ID					Char	nged Param	2?	
Old Value 1		1		N	lew Va	lue 1			Yes				Chang	jed Value1?	Ī	Y
Old Value 2				N	lew Va	lue 2							Chang	jed Value 2?	' [司
Old Operator 1	= 1	New Opt. 1	=	Changed	Opt. 13	? N	Old C	pt. 2		lew Op	t. 2		Cha	inged Opt. 2	? [一
Old Condensed Impact		Blowing	Sand		New Co	ondens	ed		Blowin	g Sand	l		Chang Impac	jed Condens t?	ed [N
Old Full Impact		urrence of t										ering	&/or	landing dif	icult	
New Full Impact		urrence of t riple hook c										ering	&/or	landing difi	icult	
Old Source (1	lst Cavalr	y Division, 1	992);				·					Cha	inged F	Full Impact?		N
		Para 2-6, 2-1		, Feb 1983	3											
Comments							***********									
Changed Source	? Y			Are There	Any (2	2) Optio	ns?	N			,	Any C	Change	to Record?		Y
ID# 94 Syste	em Name			CH-470)				Rule 1#	68	Rule	2#		Delete Rui	e? [N
Old Color 2	New	Color 2									Change	ed Co	lor?	N		
Parameter 1 #	21 Old	Param. 1 ID	surface	windspe	ed	New P	aram. '	1 ID	Surfac	e Wind	Speed		Cha	nged Param	. 1?	N
Parameter 2 #	Old	Param. 2 ID				New P	aram. 2	2 ID					Cha	nged Param	. 2?	ī
Old Value 1		45		N	lew Va	lue 1			45 kts.				Chang	ged Value1?	Ī	N
Old Value 2				N	lew Va	lue 2							Chang	ged Value 23	•	
Old Operator 1	> 1	New Opt. 1	>	Changed	Opt. 1	? N	Old C	Opt. 2	1	New Op	t. 2		Cha	anged Opt. 2	?	
Old Condensed Impact		Surface	Wind		New Co	ondens	ed	5	Strong Su	rface V	Vind		Chang Impac	ged Condens t?	sed [Υ
Old Full Impact	Surface	wind speed	s > 45 kts	exceed th	e syst	em ope	rating	limits	to take-of	ff.						
New Full Impact	Surface	wind speed	s > 45 kts	exceed th	e syst	em ope	erating	limits	for take-o	off/hove	er.					
Old Source	1st Cavalr	y Division, 1	9921:									Cha	anged I	Full Impact?		Υ.
)-240-10, Par		eb 1997												
Comments																
Changed Source	? Y			Are There	e Any (2) Optio	ons?	N				Any (Change	e to Record?	, [Y

			IWEDA S	system Ru	les			
ID# 95 S	ystem Name		CH-47D		Rule 1 # 76	Rule 2#	Delete Rule	? N
Old Color	1 New Color	1				Changed Co	lor? N	
Parameter 1 #	12 Old Param. 1 II	icingi	ntensity New	v Param. 1 ID	Icing Inter	sity	Changed Param.	1? N
Parameter 2 #	Old Param. 2 II)	Nev	v Param. 2 ID			Changed Param.	2?
Old Value 1	0		New Value		None		Changed Value1?	Y
Old Value 2			New Value 2	2			Changed Value 2?	
Old Operator	1 > New Opt. 1	> 0	hanged Opt. 1?	N Old Opt. 2	New Op	t. 2	Changed Opt. 23	? 🗍
Old Condense Impact	ed Icing	Aloft	New Conde Impact	ensed	Icing Aloft		- Changed Condense Impact?	ed N
Old Full Impac	Upper-level icing i	ntensity > no	ne may degrade pe	rformance.				
New Full Impac	ct Upper-level icing in tops) feet AGL.	ntensity > no	ne may degrade pe	rformance if a	aircraft is flying be	tween (~ ici	ng base) and (~ ici	ng
Old Source	(1st Cavalry Division,	1992):]	Cha	nged Full Impact?	Y
New Source/ Reason for Delete	TM 55-1520-240-10, Pa		6, Feb 1997			PP-8/18/80 V-18/1		
Comments								
Changed Source	ce? Y	A	re There Any (2) Op	otions? N		Any C	hange to Record?	Y
ID# 96 Sy	/stem Name		CH-47D		Rule 1 # 77	Rule 2 #	Delete Rule	? N
Old Color	2 New Color	2				Changed Col	or? N	
Parameter 1 #	12 Old Param. 1 ID	icingir	tensity New	Param. 1 ID	lcing Inten	sity	Changed Param.	1? N
Parameter 2 #	Old Param. 2 ID		New	Param. 2 ID			Changed Param.	2?
Old Value 1	1		New Value 1		Light		Changed Value1?	Υ
Old Value 2			New Value 2				Changed Value 2?	
Old Operator	1 > New Opt. 1	> C	hanged Opt. 1?	N Old Opt. 2	New Opt	. 2	Changed Opt. 2?	'
Old Condense Impact	ed Icing	Aloft	New Conde Impact	nsed	Icing Aloft		Changed Condense mpact?	ed N
Old Full impact	IAW AR 95-1, aircra	ft cannot fly	into areas of icing	intensity > lig	ht.			
New Full Impac	Aircraft cannot fly icing tops) feet AG		cing intensity > lig	ht, known or i	forecast if flight le	vel is betwe	en (~ icing base) a	ind ~
Old Source	(4at Caveler Division	4002).]	Char	nged Full Impact?	Y
New Source/	(1st Cavalry Division, AR 95-1, Para 5-2d(1),]			
Reason for Delete	MN 90"1, FAIA 5"20(1),	may 1330						
Comments								
Changed Source	ce? Y	A	re There Any (2) Op	tions? N		Anv C	hange to Record?	Υ

IWEDA System Rules CH-47D Delete Rule? ID# 97 Rule 1# 79 Rule 2# System Name **Changed Color?** N **New Color** Old Color Old Param, 1 ID turbulenceintensity New Param, 1 ID **Turbulence Intensity** Changed Param. 1? N Parameter 1 # 24 New Param. 2 ID Changed Param. 2? Parameter 2 # Old Param. 2 ID Light 1 New Value 1 Changed Value1? Old Value 1 Old Value 2 New Value 2 Changed Value 2? Changed Opt. 1? Changed Opt. 2? Old Operator 1 New Opt. 1 N Old Opt. 2 New Opt. 2 **Turbulence Aloft Turbulence Aloft** Changed Condensed Old Condensed New Condensed N Impact Impact Impact? Old Full Impact Upper-level turbulence > light intensity degrades flying safety. Upper-level turbulence > light intensity degrades flying safety if aircraft is flying between (~ turbulence base) and (~ New Full Impact Turbulence tops) feet AGL. Changed Full Impact? Υ Old Source (1st Cavalry Division, 1992); New Source/ TM 55-1520-240-10, Para 8-82, Feb 1997 Reason for Delete Comments Y Are There Any (2) Options? N Any Change to Record? Υ **Changed Source?** CH-47D Rule 2# Delete Rule? Rule 1# 80 ID# 98 System Name N **Changed Color?** Old Color 2 New Color turbulenceintensity New Param. 1 ID **Turbulence Intensity** Changed Param. 1? N Parameter 1 # Old Param. 1 ID Changed Param. 2? Parameter 2 # Old Param. 2 ID New Param. 2 ID Moderate Changed Value1? New Value 1 Old Value 1 2 Old Value 2 New Value 2 Changed Value 2? Changed Opt. 1? Changed Opt. 2? Old Operator 1 New Opt. 1 N Old Opt. 2 New Opt. 2 Changed Condensed **Old Condensed Turbulence Aloft** New Condensed Severe Turbulence Aloft Impact Impact? Impact Upper-level turbulence > moderate intensity exceeds safe operating limits. Old Full Impact Upper-level turbulence > moderate intensity exceeds safe operating limits. Aircraft prohibited from flying between New Full Impact (~ turbulence base) and (~ Turbulence tops) feet AGL. Υ Changed Full Impact? Old Source (1st Cavalry Division, 1992); New Source/ TM 55-1520-240-10, Para 8-82, Feb 1997 Reason for AR 95-1, Para 5-2d(2), May 1990 Delete Comments Υ Ν Changed Source? Υ Are There Any (2) Options? Any Change to Record?

IWEDA System Rules ID# 99 CH-47D System Name Rule 1# 87 Rule 2# Delete Rule? Old Color New Color Changed Color? Parameter 1 # 5 Old Param. 1 ID densityaltitude New Param, 1 ID Changed Param. 1? Parameter 2 # Old Param. 2 ID New Param, 2 ID Changed Param. 2? 10000 Old Value 1 New Value 1 Changed Value1? Old Value 2 New Value 2 Changed Value 2? Old Operator 1 New Opt. 1 Changed Opt. 1? Old Opt. 2 New Opt. 2 Changed Opt. 2? Old Condensed **Density Altitude New Condensed** Changed Condensed Impact Impact Impact? Density altitude > 10,000 feet exceeds the maximum payload lift capability. Old Full Impact New Full Impact Changed Full Impact? Old Source (1st Cavalry Division, 1992); New Source/ Delete Rule: This is too restrictive. Pilot has options. Delete as a red condition. It is included in yellow condition (> 5000 Reason for Delete Comments Y N Υ Changed Source? Are There Any (2) Options? Any Change to Record? CH-47D ID # 100 System Name Rule 1# 88 Rule 2# Delete Rule? N Old Color **New Color** Changed Color? densityaltitude New Param. 1 ID Parameter 1 # Old Param, 1 ID **Density Altitude** Changed Param. 1? | N New Param. 2 ID Changed Param. 2? Parameter 2 # Old Param. 2 ID Old Value 1 5000 New Value 1 5000 ft. N Changed Value1? Old Value 2 New Value 2 Changed Value 2? Old Operator 1 New Opt. 1 Changed Opt. 1? N Old Opt. 2 Changed Opt. 2? New Opt. 2 Old Condensed Density Altitude **New Condensed High Density Altitude** Changed Condensed Impact Impact? Impact Old Full Impact Density altitude > 5000 feet decreases lift capability. Aircraft payload may be reduced. Density altitude > 5000 feet decreases lift capability. Aircraft payload may be reduced. New Full Impact Υ Changed Full Impact? Old Source (1st Cavalry Division, 1992); New Source/ TM 55-1520-240-10, Para 8-73, Feb 1997 Reason for FM 1-230, Para 5-8, Sep 1982 Delete Comments Υ Changed Source? Y Are There Any (2) Options? Ν Any Change to Record?

IWEDA System Rules ID # 101 System Name CH-47D Rule 1# 106 Rule 2 # 106 Delete Rule? Old Color **New Color** Changed Color? N Old Param. 1 ID 4 cloudcover New Param, 1 ID **Cloud Cover** Parameter 1 # Changed Param. 1? Ν Old Param. 2 ID cloudbase New Param. 2 ID Changed Param. 2? Parameter 2 # Cloud Base N Old Value 1 0 New Value 1 None Changed Value1? Υ 300 Ft. 300 New Value 2 Ν Old Value 2 Changed Value 2? Changed Opt. 1? N Old Opt. 2 N Old Operator 1 New Opt. 1 <= Changed Opt. 2? New Opt. 2 **New Condensed** Very Low Clouds Old Condensed Clouds Changed Condensed Y Impact Impact Impact? Old Full Impact Cloud base <= 300 feet reduce mobility and effectiveness. New Full Impact Cloud base <= 300 feet reduce mobility and effectiveness. Changed Full Impact? N (1st Cavalry Division, 1992); Old Source New Source/ Interview with Mr. Michael Sloan, CH47 Flight Instructor, Aviation Support Facility, Felker Army Airfield, Ft. Eustis, VA, Reason for Aug 1997 Delete Comments Υ Changed Source? Υ Are There Any (2) Options? Υ Any Change to Record? CH-47D ID # 102 System Name Rule 1# 112 Rule 2# 112 Delete Rule? N Old Color New Color Changed Color? N visibility New Param. 1 ID Visibility Changed Param. 1? N Parameter 1 # 26 Old Param. 1 ID Parameter 2 # Old Param. 2 ID blowingsand New Param. 2 ID **Blowing Sand** Changed Param. 2? N Old Value 1 5000 New Value 1 5000 meters Changed Value1? N Y New Value 2 Yes Changed Value 2? Old Value 2 Old Operator 1 Changed Opt. 1? N Old Opt. 2 New Opt. 2 Changed Opt. 2? N New Opt. 1 Old Condensed **Blowing Sand and Reduced New Condensed Blowing Sand** Changed Condensed Impact Visibility Impact Impact? Any occurrence of blowing sand and visibility < 3.1 miles (5000 m) reduces the operational distance. Old Full Impact Any occurrence of blowing sand and visibility < 3.1 miles (5000 m) reduces the operational distance. New Full Impact N Changed Full Impact? Old Source (1st Cavalry Division, 1992); New Source/ FM 1-202, Para 2-6, 2-13 thru 2-16, Feb 1983 Reason for Delete Comments

Υ

Changed Source?

Are There Any (2) Options?

Υ

Υ

Any Change to Record?

		IVV	EDA Sys	stem Rul	es					
ID # 103 Syste	em Name	CHAPARRE	L		Rule 1#	55 F	lule 2#		Delete Rule?	N
Old Color 1	New Color 1					Ch	anged Co	olor?	N	
Parameter 1 #	10 Old Param. 1 ID	freezingrain	New P	aram. 1 ID	Free	zing Rai	า	Chan	ged Param. 1	? N
Parameter 2 #	Old Param. 2 ID		New P	aram. 2 ID				Chan	ged Param. 2	?
Old Value 1	1	New	/ Value 1		Light			Change	ed Value1?	Y
Old Value 2		New	/ Value 2					Change	ed Value 2?	
Old Operator 1	> New Opt. 1	> Changed Op	t. 1? N	Old Opt. 2	N	ew Opt. 2		Chai	nged Opt. 2?	
Old Condensed Impact	Freezing F		w Condense pact	ed	Freezin	g Rain		Change Impact	ed Condensed ?	N
Old Full Impact	Freezing rain > light m	ay freeze the missile	to the lau	ncher rails	and reduce	s the ove	rall syste	em effe	ctiveness.	
New Full Impact	Freezing rain > light m	ay freeze the missile	to the lau	ncher rails	and reduce	s the ove	rall syste	em effe	ctiveness.	
Old Source (1	st Cavalry Division, 199	2);					Cha	anged F	ull Impact?	N
	M 34-81-1, Appendix B-6									
Comments							,			
Changed Source?	Y Y	Are There Ar	ny (2) Optio	ns? N]		Any (Change	to Record?	Y
ID# 104 Syste	em Name New Color	CHAPARREL	_		Rule 1 # [ule 2 # [Delete Rule?	Y
Parameter 1 #	10 Old Param. 1 ID	freezingrain	New Pa	ram. 1 ID				Chang	ged Param. 13	?
Parameter 2 #	Old Param. 2 ID		New Pa	ram. 2 ID				Chang	ged Param. 27	?┌
Old Value 1	2	New	Value 1				1	_ Change	ed Value1?	
Old Value 2		New	Value 2				Ĩ	Change	ed Value 2?	
Old Operator 1	> New Opt. 1	Changed Op	t. 1?	Old Opt. 2	Ne	ew Opt. 2		Char	nged Opt. 2?	
Old Condensed Impact	Freezing R	Nev Imp	v Condense	d				Change Impact?	ed Condensed ?	
Old Full Impact	Freezing rain > modera effectiveness.	te freezes the missi	le to the la	uncher rails	and greatly	y reduces	the ove	rall sys	tem	
New Full Impact		-								
							Cha	inged Fi	ull Impact?	
<u> </u>	st Cavalry Division, 199									
	elete Rule: FM 34-81-1, A overed by ID# S103	ppendix B-6, Dec 19	92, refers	only moder	ate freezing	rain and	a mode	rate deg	gradation.	
Comments										
Changed Source?	Y	Are There Ar	ıy (2) Optio	ns? N]		Any C	Change t	to Record?	

				IWE	DA Sy	stem Ru	les						
ID# 105 Sy	# 105 System Name DRAGON								Rule 2#	:	Delete Rule?	? N	
Old Color	2 New	Color 2							Changed	Color?	N		
Parameter 1 #	22 Old	Param. 1 ID	tem	perature	New P	aram. 1 ID	Te	mperat	ure	Cha	anged Param. 1	1? N	
Parameter 2 #	Old	Param. 2 ID			New P	aram. 2 ID				Cha	anged Param. 2	2?	
Old Value 1		145		New V	alue 1		145 F			Chan	ged Value1?	N	
Old Value 2				New V	alue 2					Chan	ged Value 2?		
Old Operator 1) >=	New Opt. 1	>=	Changed Opt.	1? N	Old Opt. 2	2	New Op	t. 2	Ch	anged Opt. 2?		
Old Condense Impact	d	Hot		New 0	Condens	ed	Extrer	ne Heat	:	Chan Impa	ged Condense ct?	ed Y	
Old Full Impact	Temper	ratures >= 145	F exceed	the maximum	operati	ng tempera	ture of the	system	1.				
New Full Impac	Temperatures >= 145 F exceed the maximum operating temperature of the system. Changed Full Impact? N Old Source (1st Cavalry Division, 1992);												
Old Source	(1st Cavalı	ry Division, 19	92):						C	nanged	Full Impact?	N	
New Source/ Reason for Delete	FM 23-34,	Para 4-91, Apr 5-484-10, Mar 1	1990	*************************************									
Comments	Also, <= -2	25 F minimum	Temperat	ture, visibility	< 1000 m	reduces e	ffective rar	nge					
Changed Source	ce? Y			Are There Any	(2) Option	ons?	N		An	y Chang	e to Record?	Y	
ID# 106 Sy	stem Name			DRAGON			Rule 1#	64	Rule 2 #	!	Delete Rule	? N	
Old Color	1 New	Color 1							Changed	Color?	N		
Parameter 1 #	21 Old	Param. 1 ID	surface	ewindspeed	New P	aram. 1 ID	Surfa	e Wind	Speed	Cha	anged Param.	1? N	
Parameter 2 #	Old	Param. 2 ID			New P	aram. 2 ID				Cha	anged Param. 2	2?	
Old Value 1		15		New V	/alue 1		15 kts.			Chan	ged Value1?	N	
Old Value 2				New V	/alue 2					Chan	iged Value 2?		
Old Operator	1 >	New Opt. 1	>=	Changed Opt.	1? Y	Old Opt. 2	2	New Op	ot. 2	Ch	anged Opt. 2?		
Old Condense Impact	ed	Surface \	Vind	New Impa	Condens ct	ed	Surfa	ce Wind	1	Char Impa	iged Condense ct?	ed N	
Old Full Impact	Surface	e wind speed >	= 15 kts	makes target t	racking	more diffic	ult.						
New Full Impa	Surface	e wind speed >	= 15 kts	makes target t	racking	more diffic	ult.						
										\ha=	Full lease and		
Old Source	(1st Caval	ry Division, 19	92):	7 647 647 4 537 4 74			7		,	nangeu	Full Impact?	N	
New Source/ Reason for Delete		4-9, Apr 1990	,										
Comments													
Changed Sour	ce? Y			Are There Any	(2) Option	ons?	N		An	y Chang	ge to Record?	Υ	

		IWE	DA System Ru	ules	
ID # 107 System	ı Name	EH-60A		Rule 1 # 15 R	tule 2 # Delete Rule? N
Old Color 2	New Color 1			Ch	anged Color? Y
Parameter 1 # 2:	2 Old Param. 1 ID	temperature	New Param. 1 ID	Minimum Temper	ature Changed Param. 1? Y
Parameter 2 #	Old Param. 2 ID		New Param. 2 ID		Changed Param. 2?
Old Value 1	-29	New \	/alue 1	- 29 F	Changed Value1? N
Old Value 2		New \	/alue 2		Changed Value 2?
Old Operator 1	<= New Opt. 1	< Changed Opt.	1? Y Old Opt.	New Opt. 2	Changed Opt. 2?
Old Condensed Impact	Cold	New Impa	Condensed ct	Extreme Cold	Changed Condensed Y Impact?
Old Full Impact	Temperatures < -29 F ex	ceed aircraft operati	ng limits with norn	nal service.	
New Full Impact	Femperatures < -29 F ex	ceed aircraft operati	ng limits with norn	nal service.	
Old Source (1st	Cavalry Division, 1992)	•			Changed Full Impact?
	55-1520-237-10, Para 8-4				
	per because the operation	ng expectation would	d be that special se	ervicing is available fo	r cold weather operations.
					. cold froduitor operations.
Changed Source?	Y	Are There Any		N Sub-A4 (A4)	Any Change to Record?
ID # 108 System		EH-60A			ule 2 # Delete Rule? N
Old Color 1	New Color 1		New Person 4 ID		anged Color? N
Parameter 1 # 22 Parameter 2 #		temperature	New Param, 1 ID	Temperature	Changed Param. 1? N
Old Value 1	Old Param. 2 ID	New V	New Param. 2 ID	100 F	Changed Param. 2? Changed Value1?
Old Value 2	100	New V		100 F	
	>= New Opt. 1	>= Changed Opt.		New Opt. 2	Changed Value 2? Changed Opt. 2?
Old Condensed	Hot		Condensed	Very Hot	
Impact	Hot	Impac		very not	Changed Condensed Y Impact?
Old Full Impact	emperatures >= 100 F d	legrade aircraft perfo	ormance.		
New Full Impact	emperatures >= 100 F d	legrade aircraft perfo	ormance.	We also had been a second	
_					Changed Full Impact? N
Old Source (1st	Cavalry Division, 1992);	;]	
New Source/ Reason for Delete	1-1520-237-10, Para 5.30	, 5.31, Jun 1996			
Comments					
Changed Source?	Y	Are There Any	(2) Options?	v	Any Change to Record? Y

				IWE	DA Sys	stem R	ules				
ID # 109 Sys	stem Name			EH-60A			Rule 1#	32 Ru	le 2 #	Delete Rule?	N
Old Color	1 New	Color 1						Chai	nged Col	or? N	
Parameter 1 #	23 Old	Param. 1 ID	thun	derstorm	New P	aram. 1 ID	Th	understorm		Changed Param. 1	? N
Parameter 2 #	Old	Param. 2 ID			New P	aram. 2 ID				Changed Param. 2	?
Old Value 1		1		New \	/alue 1		yes			Changed Value1?	Y
Old Value 2				New \	/alue 2				(Changed Value 2?	
Old Operator 1	= 1	lew Opt. 1	=	Changed Opt.	1? N	Old Opt.	2	New Opt. 2		Changed Opt. 2?	
Old Condensed Impact	i	Thunders	torm	New Impa	Condens ct	ed	Thund	erstorm		Changed Condensed Impact?	N
Old Full Impact	Any occ	urrence of the	understo	rms curtail air	craft and	l refueling	operations	due to safel	y consid	derations.	
New Full Impac	Intention	nal flight into	thunders	storms is proh	ibited. T	herefore,	a delay in c	ompletion o	f a missi	on may result.	
Old Source	(1st Cavain	/ Division, 19	92):						Chai	nged Full Impact?	Y
		-237-10, Para		g 1993		-					
Comments											
Changed Sourc	e? Y		•	Are There Any	(2) Optio	ons?	N		Any C	hange to Record?	Υ
ID # 110 Sys	stem Name			EH-60A			Rule 1 #		ile 2 # [Delete Rule?	N
Old Color	1 New	Color 1						Cha	nged Co		
Parameter 1 #	11 Old	Param. 1 ID		hail	=	aram. 1 ID		Hail		Changed Param. 1	
Parameter 2 #	Old	Param. 2 ID				aram. 2 ID	<u> </u>			Changed Param. 2	
Old Value 1		1			/alue 1		Yes			Changed Value1?	Y
Old Value 2					/alue 2					Changed Value 2?	
Old Operator 1		New Opt. 1	=	Changed Opt.				New Opt. 2		Changed Opt. 2?	Ш
Old Condensed Impact	d	Hail		New Impa	Condens ct	ed	F	lail		Changed Condensed Impact?	N
Old Full Impact	Any occ	urrence of ha	il produ	ces hazardous	weather	condition	s and reduc	es operatio	nal capa	bilities.	
New Full Impac	Any occ	currence of ha	il produ	ces hazardous	weather	condition	s and reduc	es operatio	nal capa	bilities.	
Old Source	(1st Cavair	y Division, 19	92);						Cha	nged Full Impact?	N
New Source/ Reason for Delete		Para 12-7, Sep						4-1-1-1-1			
Comments											
Changed Source	æ? Y			Are There Any	(2) Opti	ons?	N		Any C	hange to Record?	Y

				IWED	A Sys	stem Ru	iles					
ID # 111 S	ystem Name		EH	I-60A			Rule 1#	56	Rule 2#		Delete Rule?	N
Old Color	2 New	Color 1						(Changed C	color?	Y	
Parameter 1 #	10 Old	Param. 1 ID	freezingr	ain	New Pa	aram. 1 ID	Fre	ezing R	ain	Chang	ged Param. 1	? N
Parameter 2 #	Old	Param. 2 ID			New Pa	aram. 2 ID				Chang	ged Param. 2	?
Old Value 1		0		New Val	ue 1		None			Change	ed Value1?	Y
Old Value 2				New Val	ue 2					Change	ed Value 2?	
Old Operator	1 > 1	New Opt. 1	> Chan	ged Opt. 1?	N	Old Opt. 2	2 N	lew Opt	. 2	Chan	ged Opt. 2?	
Old Condense Impact	ed	Freezing F	Rain	New Co Impact	ndense	ed	Light Free	zing Ra	in	Change Impact?	ed Condensed	Y
Old Full Impac		currence of free	zing rain cre	ates icing c	onditio	ons potent	ially unsafe	for airc	raft opera	tions. Mi	ssions may l	be
New Full Impac		currence of free ed or delayed.	ezing rain crea	ates icing c	onditio	ons potent	ially unsafe	for airc				
Old Source	(1st Cavain	y Division, 199	2);						Ch	anged Fu	ıll Impact?	N
New Source/ Reason for Delete	TM 1-1520-	237-10, Para 5.	28, 8.42, Jun	1996								
Comments							W					
Changed Source	ce? Y		Are T	here Any (2)) Optior	ns?	N .		Any	Change t	o Record?	Υ
ID# 112 Sy	stem Name		EH	-60A			Rule 1#	63	Rule 2#		Delete Rule?	N
Old Color	1 New	Color 2							Changed C	olor?	Y	L
Parameter 1 #	21 Old	Param. 1 ID	surfacewinds	speed	New Pa	ram. 1 ID	Surface	Wind 9	Speed	Chang	 jed Param. 1?	? N
Parameter 2 #	Old	Param. 2 ID		1	New Pa	ram. 2 ID				Chang	ed Param. 2?	,
Old Value 1		30		New Valu	ue 1		45 kts.			 Change	d Value1?	Y
Old Value 2				New Valu	ıe 2					Change	d Value 2?	$\overline{\Box}$
Old Operator 1	1 >= N	lew Opt. 1	> Chan	ged Opt. 1?	Y	Old Opt. 2	. N	ew Opt.	2	Chan	ged Opt. 2?	$\overline{\Box}$
Old Condense Impact	d	Surface W	ind	New Cor Impact			Strong Sur	face Wi	nd	Change Impact?	d Condensed	Y
Old Full Impact	Surface	wind speed > 3	0 kts degrad	s the abilit	ty to sa	ifely launc	h and recov	er aircr	aft.		N. N	
New Full Impac	When su	urface wind spe	eed > 45 kts.,	rotors shou	ıld not	be started	l or stopped	•				
									Ch	anged Fu	Il Impact?	Y
Old Source		Division, 1992										
New Source/ Reason for Delete	TM 1-1520-2	237-10, Para 5.6	5.1, Jun 1996									
Comments												
Changed Source	Pe? V		Δro Ti	here Any (2)	Ontion	s? N			Δην	Change +	n Record?	V

			IVVE	JA 59:	stem F	(ule	es					
ID# 113 Syste	m Name	EH	1-60A				Rule 1#	68 R	ule 2#		Delete Rule	? [Y]
Old Color 2	New Color							Ch	anged Co	olor?		
Parameter 1 #	21 Old Param. 1 ID	surfacewind	speed	New P	aram. 1 l	D				Cha	nged Param.	1?
Parameter 2 #	Old Param. 2 ID			New P	aram. 2 l	D				Cha	nged Param.	27
Old Value 1	45		New V	alue 1						 Chang	ged Value1?	$\overline{\Box}$
Old Value 2			New V	alue 2					Ī	Chang	ged Value 2?	
Old Operator 1	> New Opt. 1	Chan	ged Opt.	1?	Old Op	t. 2	Ne	w Opt. 2	_	Cha	anged Opt. 2?	· 🗖
Old Condensed Impact	Surface	Wind	New (Condens	ed					Chang	ged Condense t?	od
Old Full Impact	Surface wind speed	> 45 kts exceed	is the safe	e operat	ing limits	s to I	aunch and	recover	aircraft.			
New Full Impact												
Old Source (1s	of Cavalar Division 4	003).							Cha	anged I	Full Impact?	
	st Cavalry Division, 1		nce. See ı	rule ID#	113							
Comments			APPARENTAL AS									=
Changed Source?	Y	Are T	There Any	(2) Optio	ons?	N			Any (Change	to Record?	Y
ID # 114 Syste	m Name	El-	1-60A				Rule 1#	77 R	ule 2#		Delete Rule	? N
Old Color 1	New Color 1						L	Ch	anged Co	olor?	N	
Parameter 1 #	12 Old Param. 1 ID	icinginten	sity	New P	aram. 1 l	D	lcing	Intensity	7	Cha	nged Param.	1? N
Parameter 2 #	Old Param. 2 ID			New P	aram. 2 I					_	nged Param.	
Old Value 1	1		New V				Trace		7		ged Value1?	Y
Old Value 2			New V	alue 2					1	Chang	ged Value 2?	H
Old Operator 1	> New Opt. 1	>= Chan	nged Opt.	1? Y	Old Opt	t. 2	Ne	w Opt. 2		Cha	anged Opt. 2?	·
Old Condensed Impact	Icing A		$\overline{}$	Condens			Icing A	loft		Chang Impac	ged Condense	ed N
Old Full Impact	Upper-level icing int	ensity > light m	ay degra	de perfo	rmance.							
New Full Impact	Flight into icing inte flight level is between						equipped w	rith deic	e and an	nti-ice d	capabilities. I	f
Old Source (1:	st Cavalry Division, 1	992)-							Cha	anged I	Full Impact?	Y
1	/ 55-1520-237-10, Par		6									
Comments	7000											
Changed Source?	Y	Are 1	There Any	(2) Optio	ons?	N			Any	Change	e to Record?	Y

				IWED	OA Sy	stem	Rule	es					
ID# 115 System	m Name			EH-60A				Rule 1#	78	Rule 2#		Delete Rule	? N
Old Color 2	New	Color 2							Cł	nanged (Color?	N	
Parameter 1 #	12 Old F	Param. 1 ID	icing	intensity	New P	aram. 1	םו	lci	ng Intensi	ty	Cha	anged Param.	1? N
Parameter 2 #	Old F	Param. 2 ID			New P	aram. 2	םו:				Cha	anged Param.	2?
Old Value 1		2		New Va	alue 1		ī	Moderate			Chan	iged Value1?	Y
Old Value 2				New Va	alue 2						Chan	iged Value 2?	
Old Operator 1	> N	ew Opt. 1	>	Changed Opt. 1	1? N	Old O	pt. 2		New Opt. 2	2	Ch	anged Opt. 23	?
Old Condensed Impact		Icing Al	oft	New C	Condens t	ed		Severe I	cing Aloft		Chan	iged Condensi ct?	ed Y
Old Full Impact	IAW AR	95-1, aircraft	cannot fly	y into areas of	icing in	tensity	> mod	derate.					
New Full Impact	New Full Impact Flight into icing intensity > Moderate is prohibited. If flight level is between (~Icing Base) and (~Icing Top) feet AGL.												
Old Source (4a	t Causie	Division 400	2).							Ci	nanged	Full Impact?	Y
		Division, 199		4000									
New Source/ Reason for Delete	1 55-1520-	237-10, Para	5-28, Oct	1996									
Comments													
Changed Source?	Y			Are There Any ((2) Optio	ons?	N			Any	Chang	e to Record?	Y
ID# 116 System	n Name			EH-60A				Rule 1#	79 F	Rule 2#		Delete Rule	? N
Old Color 1	New C	Color 2							Ch	anged C	olor?	Y	
Parameter 1 # 2	24 Old F	aram. 1 ID	turbuler	ceintensity	New Pa	aram. 1	ID	Turbu	ence Inter	nsity	Cha	inged Param.	1? N
Parameter 2 #	Old F	aram. 2 ID			New P	aram. 2	ID				Cha	inged Param.	2? 🔲
Old Value 1		1		New Va	alue 1		٨	Moderate			Chan	ged Value1?	Υ
Old Value 2				New Va	alue 2						Chan	ged Value 2?	
Old Operator 1	> N	ew Opt. 1	>	Changed Opt. 1	? N	Old O	pt. 2		New Opt. 2		Ch	anged Opt. 2?	'
Old Condensed Impact		Turbulence	Aloft	New C Impact	ondense	ed	Se	vere Turk	ulence Al	oft	Chan- Impa	ged Condense ct?	ed Y
Old Full Impact	Upper-le	vel turbulence	e > light i	ntensity degra	des flyii	ng safe	ty.			,			
		al flight into > ce top) feet A		te turbulence i	s prohit	oited. If	flight	t level is l	oetween (~	- turbule	ence ba	ase) and (~	
										Ch	anged	Full Impact?	Y
Old Source (1s	t Cavalry	Division, 199	2);								J		
New Source/ Reason for Delete	55-1520-	237-10, Para	5-33a, Od	t 1996									
Comments													
Changed Source?	Y			Are There Any (2) Optio	ns?	N			Any	Change	e to Record?	Υ

	IWEDA System Rul	es	
ID # 117 System Name	EH-60A	Rule 1 # 80 Rule 2 #	Delete Rule? N
Old Color 2 New Color 1		Changed C	Color? Y
Parameter 1 # 24 Old Param. 1 ID turk	oulenceintensity New Param. 1 ID	Turbulence Intensity	Changed Param. 1? N
Parameter 2 # Old Param. 2 ID	New Param. 2 ID		Changed Param. 2?
Old Value 1 2	New Value 1	none	Changed Value1? Y
Old Value 2	New Value 2		Changed Value 2?
Old Operator 1 > New Opt. 1 >	Changed Opt. 1? N Old Opt. 2	New Opt. 2	Changed Opt. 2?
Old Condensed Turbulence Alor Impact	ft New Condensed Impact	Turbulence Aloft	Changed Condensed N Impact?
Old Full Impact Upper-level turbulence > n	noderate intensity exceeds operating I	imits.	
New Full Impact Upper level turbulence, > I (~turbulence base) and (~t	none, will reduce airspeed and delay n turbulence top) feet AGL.		
Old Source (1st Cavalry Division, 1992);		C }	hanged Full Impact?
New Source/ Reason for Delete	, Oct 1996	1	
Comments			
Changed Source? Y	Are There Any (2) Options?	Ally	Change to Record?
ID # 118 System Name	EH-60A	Ruie 1 # 85 Rule 2 #	Delete Rule? N
Old Color 1 New Color 1		Changed (Color? N
Parameter 1 # 13 Old Param. 1 ID pi	ressurealtitude New Param. 1 ID	Pressure Altitude	Changed Param. 1? N
Parameter 2 # Old Param. 2 ID	New Param. 2 ID		Changed Param. 2?
Old Value 1 5000	New Value 1	5000 ft.	Changed Value1? N
Old Value 2	New Value 2		Changed Value 2?
Old Operator 1 > New Opt. 1 >	Changed Opt. 1? N Old Opt. 2	New Opt. 2	Changed Opt. 2?
Old Condensed Pressure Altitud	de New Condensed Impact	High Pressure Altitude	Changed Condensed Y Impact?
Old Full Impact Operating performance of	rotary wing aircraft is decreased whe	n operating at pressure altit	udes > 5000 ft.
New Full Impact Operating performance of	rotary wing aircraft is decreased whe		
Old Source (1st Cavalry Division, 1992);		Ci	hanged Full Impact?
New Source/ Reason for Delete TM 1-1520-237-10, Chapter 7, FM 1-230, Para 5-8, Sep 1982			
Comments			
Changed Source? Y	Are There Any (2) Options?	N Any	y Change to Record?

		IWE	DA Syster	n Kule	es				
ID # 119 Syste	em Name	EH-60A			Rule 1 # 86 F	Rule 2#	Delete Rule	? Y	
Old Color 2	New Color				Ch	anged Co	lor?		
Parameter 1 #	13 Old Param. 1 ID	pressurealtitude	New Param	. 1 ID			Changed Param.	1?	
Parameter 2 #	Old Param. 2 ID		New Param	. 2 ID			Changed Param. 2	2?	
Old Value 1	10000	New	Value 1			7	Changed Value1?		
Old Value 2		New '	Value 2				Changed Value 2?		
Old Operator 1	> New Opt. 1	Changed Opt	1? Old	Opt. 2	New Opt. 2		Changed Opt. 2?		
Old Condensed Impact	Pressure Altit	tude New Impa	Condensed act				- Changed Condense Impact?	d	
Old Full Impact	Operating performance 10,000 ft. Actions may b					ting at pre	essure altitudes >		
New Full Impact									
						Chai	nged Full Impact?		
<u> </u>	st Cavalry Division, 1992)								
	elect Rule: This is too resondition.	strictive as a red cor	ndition; pilot h	as optio	ns. This is include	d in > 500	00 ft. as an amber		
Comments	1/								
Changed Source?	· Y	Are There Any	(2) Ontions?	N		Any C	hange to Record?	Y	
onangoa ooa.oo.	. 🕒	7 2 11 27 1,	, (-) • p	لتا		,,	nango to riccora.	لـــا	
ID # 120 Syste	em Name New Color	EH-60A				tule 2 # anged Col	Delete Rule?	Y	
Parameter 1 #	5 Old Param. 1 ID	densityaltitude	New Param	1 ID			Changed Param. 1	?	
Parameter 2 #	Old Param. 2 ID		New Param	2 ID			Changed Param. 2	!?	
Old Value 1	10000	. New \	/alue 1] (Changed Value1?		
Old Value 2		New \	/alue 2			<u> </u>	Changed Value 2?		
Old Operator 1	> New Opt. 1	Changed Opt.	1? Old	Opt. 2	New Opt. 2		Changed Opt. 2?		
Old Condensed Impact	Density Altitu	ide New Impa	Condensed ct				Changed Condensed impact?	t	
Old Full Impact	Density altitudes > 10,00	00 ft exceeds maxim	um payload c	apability.	•				
New Full Impact									
						Char	nged Full Impact?	$\overline{}$	
Old Source (1	st Cavalry Division, 1992)	;				Onai	igoa i un impaoti		
L	elete Rule: Too restrictive		Warning inclu	ded in ru	ile ID# 121				
Comments									
Changed Source?	Y	Are There Any	(2) Options?	N		Any Cl	hange to Record?	Y	

			IWED	A Sys	tem Ru	les				
ID # 121 System	n Name		EH-60A			Rule 1#	88 F	Rule 2#	Delete I	Rule? N
Old Color 1	New Color						Cł	anged C	olor? N	
Parameter 1 #	5 Old Param. 1 ID	densit	yaltitude	New Par	ram. 1 ID	Dens	ity Altitu	de	Changed Para	am. 1? N
Parameter 2 #	Old Param. 2 ID			New Par	ram. 2 ID				Changed Para	am. 2?
Old Value 1	5000		New V	alue 1		5000 ft.			Changed Value	1? N
Old Value 2			New V	alue 2				Ī	Changed Value	2?
Old Operator 1	> New Opt. 1	> (Changed Opt.	1? N	Old Opt. 2	N	lew Opt. 2	2	Changed Op	t. 2?
Old Condensed Impact	Density	Altitude	New 0	Condense	d	High Densi	ty Altituo	le	Changed Cond Impact?	ensed Y
Old Full Impact	Density altitudes >	5000 ft appr	oach optimal	lift capab	ility of hel	icopters res	sulting in	reduced	l payload.	
New Full Impact	Density Altitude >	5000 ft decre	ases lift capa	bility, pay	load may	be reduced	•			
								Ch	anged Full Impa	ct?
Old Source (1s	st Cavalry Division,	1992);								
New Source/ Reason for Delete	1 1-230, Para 5-8, Se	p 1982								
Comments										
						.7			<u> </u>	-10 [14]
Changed Source?	Y	,	Are There Any	(2) Option	is?	4		Any	Change to Reco	rd? Y
ID # 122 System	m Name		EH-60A			Rule 1#	106	Rule 2#	106 Delete	Rule? N
Old Color 1	New Color	1					C	nanged C	olor? N	
Parameter 1 #	4 Old Param. 1 II	clou	dcover	New Pa	ram. 1 ID	Clo	oud Cove	r	Changed Par	am. 1? N
Parameter 2 #	3 Old Param. 2 ID	clou	ıdbase	New Pa	ram. 2 ID	CI	oud Base		Changed Par	am. 2? N
Old Value 1	0		New V	alue 1		3/8			Changed Value	e1? Y
Old Value 2	300		New V	alue 2	300 Ft.				Changed Value	
Old Operator 1	> New Opt. 1	>	Changed Opt.	1? N	Old Opt. 2	? <= N	New Opt.	2 <=	Changed Op	ot. 2? N
Old Condensed Impact	Clo	ouds	New 0	Condense ct	d	Very Lov	v Clouds		Changed Cond Impact?	lensed Y
Old Full Impact	Cloud bases <= 30	0 feet degrad	de mobility an	d effectiv	eness.					
New Full Impact	Cloud ceilings <=	300 feet degr	ade mobility a	and effect	tiveness.					
		4000)				٦		Ch	nanged Full Impa	ct?
L	st Cavalry Division,		=1! -1.4 1 4 ·	an Oblet	Andation 4	and Ter	hnal	Division	Ealkar Army A	irfield Et
	terview with Mr. Jol ustis, VA, Aug 1997	nn Benham, I	-light instruct	or, Cnier	Aviation A	Applied Fec	nnology	Division,	reiker Anny Ai	meiu, rt.
Comments									-	
Changed Source?	Y		Are There Any	(2) Option	ns?	Υ		Any	Change to Reco	ord?

			IWED	A Sy	stem Ru	les					
ID # 123 Syste	em Name	F-	111G			Rule 1#	32	Rule 2#		Delete Rule	? Y
Old Color 1	New Color						(Changed C	olor?		
Parameter 1 #	23 Old Param. 1 ID	thunderst	orm	New P	aram. 1 ID	Changed Param.					1?
Parameter 2 #	Old Param. 2 ID			New P	aram. 2 ID				Chai	nged Param.	2?
Old Value 1	1		New Va	alue 1					Chang	ed Value1?	
Old Value 2			New Va	lue 2					Chang	ed Value 2?	
Old Operator 1	= New Opt. 1	Chan	iged Opt. 1	?	Old Opt. 2	2 N	ew Opt.	2	Cha	inged Opt. 2?	, $\overline{\ }$
Old Condensed Impact	Thunder	storm	New C	ondens	ed				Chang Impac	ed Condense	ed
Old Full Impact	Thunderstorms may	cause mission	delays an	d limit a	areas wher	e aircraft ca	n opera	te effectiv	ely.		
New Full Impact											
Old Source (1s	st Cavalry Division, 1	992);]		Ch	anged F	full Impact?	
New Source/ Reason for Delete	elete Rule: No longer	in inventory		-							-
Comments	and the same of th										
Changed Source?	Y	Are T	here Any (2) Optio	ns?	1		Any	Change	to Record?	Y
ID # 124 System	m Name	F-1	111G			Rule 1#	56	Rule 2#		Delete Rule	? Y
Old Color 2	New Color						C	hanged C	olor?		
Parameter 1 #	10 Old Param. 1 ID	freezingra	ain	New Pa	aram. 1 ID				Chan	ged Param.	1?
Parameter 2 #	Old Param. 2 ID			New Pa	aram. 2 ID				Chan	ged Param.	2?
Old Value 1	0		New Va	lue 1					Change	ed Value1?	
Old Value 2			New Va	lue 2					Change	ed Value 2?	
Old Operator 1	> New Opt. 1	Chan	ged Opt. 1	?	Old Opt. 2	Ne	ew Opt.	2	Cha	nged Opt. 2?	
Old Condensed Impact	Freezing	, Rain	New Co	ondense	ed				Change Impact	ed Condense ?	:d
Old Full Impact	Freezing rain may de	alay mission lau	inch and r	ecovery	due to icy	runway cor	ditions	and deic	ng of a	ircraft.	
New Full Impact											
Old Source (1s	at Cavalry Division, 19	992);]		Ch	anged F	ull Impact?	
	lete Rule: No longer					J					
Comments							-				
Changed Source?	Y	Are T	here Any (2	2) Option	ns? N			Any	Change	to Record?	Y

	·	IVVE	DA Syste	n Kule	es	
ID # 125 System	m Name	F-15E			Rule 1 # 52 Rul	e 2 # Delete Rule? Y
Old Color 1	New Color				Chan	ged Color?
Parameter 1 #	14 Old Param. 1 ID	rain	New Paran	ı. 1 ID		Changed Param. 1?
Parameter 2 #	Old Param. 2 ID		New Paran	1. 2 ID		Changed Param. 2?
Old Value 1	1	New	Value 1			Changed Value1?
Old Value 2		New	Value 2			Changed Value 2?
Old Operator 1	> New Opt. 1	Changed Opt	. 1? 🔲 🔾	d Opt. 2	New Opt. 2	Changed Opt. 2?
Old Condensed Impact	Precipitation	New Impa	Condensed			Changed Condensed Impact?
Old Full Impact	Rain > light causes the pil	ot to use less acc	urate targetin	g syster	ns.	
New Full Impact						
						Changed Full Impact?
Old Source (1s	st Cavalry Division, 1992);					
New Source/ Reason for Delete	lete Rule: Not significant.	Interview with MA	J Decesari, P	ilot ACC	C/DOTW Weapons and	Tactics Branch, Aug 1997
Comments						
Changed Source?	Y	Are There An	(0) 0 1: 0	N	1	Any Change to Record?
ID # 126 Syste Old Color 2	m Name New Color 1	F-15E				e 2 # Delete Rule? N ged Color? Y
Parameter 1 #	10 Old Param. 1 ID	freezingrain	New Paran	1. 1 ID	Freezing Rain	Changed Param. 1? N
Parameter 2 #	Old Param. 2 ID		New Paran	1. 2 ID		Changed Param. 2?
Old Value 1	0	New	Value 1		None	Changed Value1? Y
Old Value 2		New	Value 2			Changed Value 2?
Old Operator 1	> New Opt. 1 >	Changed Opt	. 1? N OI	d Opt. 2	New Opt. 2	Changed Opt. 2?
Old Condensed Impact	Freezing Rain	New Impa	Condensed		Freezing Rain	Changed Condensed N Impact?
Old Full Impact	Any occurrence of freezing	g rain delays mis	sion launch b	ecause e	exposed aircraft must	be deiced.
New Full Impact	Any occurrence of freezing	g rain delays mis	sion launch b	ecause 6	exposed aircraft must	be deiced.
						Changed Full Impact?
	st Cavalry Division, 1992);	DU-1100/2007	\\\\-\\\\\	17. 4	D	
New Source/ Reason for Delete	terview with MAJ Decesari	, Pilot ACC/DOTW	Weapons an	1 Tactics	s Branch, Aug 1997	
Comments		4.00				
Changed Source?	Y	Are There An	y (2) Options?	N		Any Change to Record?

			IWE	DA Sy	stem Rui	es					
ID # 127 Syste	em Name		F-15E			Rule 1#	63	Rule 2#		Delete Rule	? Y
Old Color 1	New Color						(Changed C	Color?		
Parameter 1 #	21 Old Param.	1 ID surfa	cewindspeed	New P	aram. 1 ID				Cha	nged Param.	1?
Parameter 2 #	Old Param.	2 ID		New P	aram. 2 ID				Cha	nged Param.	2?
Old Value 1	30		New \	Value 1					Chan	ged Value1?	
Old Value 2			New \	Value 2					Chan	ged Value 2?	
Old Operator 1	>= New Opt	t. 1	Changed Opt.	1?	Old Opt. 2	N	lew Opt	. 2	Ch	anged Opt. 2?	· 🔲
Old Condensed Impact	Su	rface Wind	New Impa	Condens ct	ed				Chang	ged Condense t?	ed
Old Full Impact	Surface wind >	30 kts increa	ses the impact	errors fo	r freefall mu	nitions imp	act poi	nts.			
New Full Impact)				
Old Source (1	st Cavalry Divisi	on, 1992);						Ch	nanged	Full Impact?	
	elete Rule: Not s		erview with MA	J Decesa	ri, Pilot ACC	C/DOTW We	eapons	and Tacti	cs Brai	nch, Aug 1997	7
Comments		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1									
Changed Source?	Y		Are There Any	(2) Optio	ons? N			Any	Change	to Record?	Y
ID # 128 Syste	m Name		F-15E			Rule 1#	71	Rule 2#		Delete Rule	? Y
Old Color 2	New Color						C	Changed C	olor?		
Parameter 1 #	21 Old Param.	1 ID surfa	cewindspeed	New P	aram. 1 ID				Cha	nged Param. 1	1?
Parameter 2 #	Old Param.	2 ID		New P	aram. 2 ID			-	Cha	nged Param. 2	2?
Old Value 1	50		New \	/alue 1					Chang	jed Value1?	
Old Value 2			New \	/alue 2					Chang	ed Value 2?	
Old Operator 1	>= New Opt	. 1	Changed Opt.	1?	Old Opt. 2	N	ew Opt.	2	Cha	inged Opt. 2?	
Old Condensed Impact	Sur	rface Wind	New Impa	Condens ct	ed				Chang Impac	jed Condense t?	d
Old Full Impact	Surface wind sp systems.	peed > 50 kts	exceeds the cro	oss-wind	capability o	f the aircra	ft weap	ons targe	ting an	d release	
New Full Impact											
Old Source (1	st Cavalry Division	on, 1992);						Ch	anged I	full Impact?	
New Source/ Reason for Delete	elete Rule: Not s	ignificant. Int	erview with MA	J Decesa	ri, Pilot ACC	C/DOTW We	apons	and Tacti	cs Brar	ch, Aug 1997	,
Comments	٠, ,	•									
Changed Source?	Y		Are There Any	(2) Optio	ns? N]		Any	Change	to Record?	Y

IWEDA System Rules F-15E Delete Rule? ID# 129 Rule 1# 98 Rule 2# 98 System Name New Color Changed Color? Old Color cloudcover New Param, 1 ID Changed Param. 1? Parameter 1 # 4 Old Param. 1 ID New Param. 2 ID Changed Param. 2? Parameter 2 # Old Param. 2 ID cloudbase 3 Changed Value1? New Value 1 Old Value 1 Old Value 2 10000 New Value 2 Changed Value 2? Changed Opt. 1? Changed Opt. 2? Old Operator 1 New Opt. 1 Old Opt. 2 New Opt. 2 **New Condensed** Changed Condensed Old Condensed Clouds Impact Impact? Impact Cloud cover > 3/8 and cloud bases < 10,000 ft reduce the pilots ability to recognize targets when clouds are between Old Full Impact aircraft and target. New Full Impact Changed Full Impact? Old Source (1st Cavalry Division, 1992); Delete Rule: Not significant. Interview with MAJ Decesari, Pilot ACC/DOTW Weapons and Tactics Branch, Aug 1997 New Source/ Reason for Delete Comments Y Are There Any (2) Options? Y Any Change to Record? Y Changed Source? Delete Rule? N F-15E Rule 1# 99 Rule 2# 99 ID# 130 System Name Y Changed Color? **New Color** Old Color New Param. 1 ID **Cloud Cover** Changed Param. 1? N Parameter 1 # 4 Old Param. 1 ID cloudcover Changed Param. 2? Ν New Param. 2 ID **Cloud Base** Parameter 2 # Old Param, 2 ID cloudbase New Value 1 5/8 Coverage Changed Value1? Υ 5 Old Value 1 N Old Value 2 3000 New Value 2 3000 Ft. Changed Value 2? N Changed Opt. 1? Old Opt. 2 New Opt. 2 Changed Opt. 2? Old Operator 1 New Opt. 1 Changed Condensed N Clouds Old Condensed Clouds **New Condensed** Impact Impact? Impact Cloud cover > 5/8 and cloud bases < 3000 ft significantly reduce the pilots ability to recognize targets when clouds Old Full Impact are between aircraft and target. Cloud cover > 5/8 and cloud bases < 3000 ft. reduce the pilots ability to recognize targets when clouds are between New Full Impact aircraft and target. Υ Changed Full Impact? **Old Source** (1st Cavalry Division, 1992); Interview with MAJ Decesari, Pilot ACC/DOTW Weapons and Tactics Branch, Aug 1997 New Source/ Reason for Delete Comments

Υ

Changed Source?

Are There Any (2) Options?

Υ

Any Change to Record?

Υ

			IWED	OA Syste	m Ru	les					
ID # 131 Syst	em Name		F-16			Rule 1 #	47 F	Rule 2#		Delete Rule?	N
Old Color 1	New Color	1					Ch	anged Co	lor?	N	
Parameter 1 #	26 Old Param.	1 ID v	risibility	New Paran	ı. 1 ID	V	isibility		Chan	nged Param. 1	? N
Parameter 2 #	Old Param.	2 ID		New Paran	ı. 2 ID				Chan	ged Param. 2	?
Old Value 1	8000		New Va	alue 1	8	3000 meters		7	Chang	ed Value1?	N
Old Value 2			New Va	alue 2				7	Change	ed Value 2?	
Old Operator 1	< New Opt	t. 1 <	Changed Opt. 1	? N Ok	Opt. 2	N	ew Opt. 2		Cha	nged Opt. 2?	
Old Condensed Impact	Redu	ced Visibility	New C Impac	Condensed t		Reduced	Visibility		Change Impact	ed Condensed?	N
Old Full Impact			egrades the airc identify targets.		onal ar	nd terrain a	voidance	capabilit	y whicl	h reduces the	!
New Full Impact	Visibility < 5 m	les (8000 m) d	egrades the time	e available t	o acqui	re and iden	tify targe	ts.			
Old Source (1	st Cavalry Divisi	on, 1992);						Cha	nged F	ull Impact?	Υ
New Source/ Reason for Delete	terview with MA	l Fisher, Pilot	ACC/DOTW Wea	pons and T	actics E	Branch, Aug	1997				
Comments											
Changed Source?	Y		Are There Any ((2) Options?	N			Any C	hange	to Record?	Y
	***************************************								·····		
ID # 132 Syste	em Name		F-16			Rule 1 #	48 R	ule 2 #		Delete Rule?	N
Old Color 2	New Color	2						anged Col	or?	N	
Parameter 1 #	26 Old Param.	1 ID v	isibility	New Param	. 1 ID	V	isibility		1	ged Param. 1?	
Parameter 2 #	Old Param.	2 ID		New Param	2 ID				Chang	ged Param. 2?	'
Old Value 1	4800		New Va	lue 1	4	800 meters			Change	ed Value1?	N
Old Value 2			New Va] (Change	ed Value 2?	
Old Operator 1	< New Opt	. 1 <	Changed Opt. 1	? N Old	Opt. 2	Ne	ew Opt. 2		Char	nged Opt. 2?	
Old Condensed Impact	Redu	ced Visibility	New C Impact	ondensed		Low Vis	ibility		Change Impact?	ed Condensed ?	Y
Old Full Impact	Visibility < 3 mi reduces the tim	ies (4800 m) si e available to	gnificantly degra acquire and ider	ades the air ntify targets.	craft na	vigational a	ind terrai	n avoidar	nce cap	oability which	1
New Full Impact	Visibility < 3 mi	les (4800 m) si	gnificantly degr	ades the tim	e availa	able to acqu	ire and i	dentify ta	rgets.		
_								Char	nged Fu	uli Impact?	Y
-	st Cavalry Division										
New Source/ Reason for Delete	terview with MAJ	Fisher, Pilot A	ACC/DOTW Wea	pons and Ta	ctics B	Branch, Aug	1997				
Comments											
Changed Source?	Υ		Are There Any (2	2) Options?	N			Any C	hange f	to Record?	Y

		IVVEL	A System	Rules			
ID # 133 Syst	tem Name	F-16		Rule 1#	52 Rule 2	2 # Delete Rule?	N
Old Color 1	New Color 1				Change	ed Color? N	
Parameter 1 #	14 Old Param. 1 ID	rain	New Param. 1	ID	Rain	Changed Param. 1	? N
Parameter 2 #	Old Param. 2 ID		New Param. 2	2 ID		Changed Param. 2	?
Old Value 1	1	New V	alue 1	Light		Changed Value1?	Y
Old Value 2		New V	alue 2			Changed Value 2?	
Old Operator 1	> New Opt. 1 >	Changed Opt. 1	1? N Old C)pt. 2	New Opt. 2	Changed Opt. 2?	
Old Condensed Impact	Precipitation	New C	Condensed t	F	Rain	Changed Condensed Impact?	Y
Old Full Impact	Rain > light intensity degrad	les the pilots visu	ual and infrared	d detection ran	ges.		
New Full Impact	Rain > light intensity may do	egrade the pilot v	isual and infra	red detection r	anges.		
						Changed Full Impact?	Y
Old Source	1st Cavalry Division, 1992);						
New Source/ Reason for Delete	nterview with MAJ Fisher, Pilo	t ACC/DOTW Wea	apons and Tac	tics Branch, A	ug 1997		
Comments		-					
Changed Source	? Y	Are There Any	(2) Options?	N	ļ	Any Change to Record?	Y
ID # 134 Sys	tem Name New Color 2	F-16		Rule 1 #		2 # Delete Rule?	N
Parameter 1 #	14 Old Param. 1 ID	rain	New Param. 1	חוו	Rain	Changed Param. 1	2 N
Parameter 2 #	Old Param. 2 ID	Tam	New Param. 2	L	Nam	Changed Param. 2	
Old Value 1	2	New V		Moderate	4	Changed Value1?	 Y
Old Value 2		New V				Changed Value 2?	
Old Operator 1	> New Opt. 1 >	Changed Opt.		Opt. 2	New Opt. 2	Changed Opt. 2?	
Old Condensed Impact			Condensed		vy Rain	Changed Condensed	d Y
Old Full Impact	Rain > moderate intensity s			visual and infr	ared detection	ranges.	
New Full Impact	Rain > moderate intensity s	ignificantly reduc	es/degrades p	ilot visual ranç	je.		
						Changed Full Impact?	Y
Old Source	(1st Cavalry Division, 1992);						
New Source/ Reason for Delete	T.O. 1F-16C-1, Page 7-2, May 9	6					
Comments							
Changed Source	9? Y	Are There Any	(2) Options?	N		Any Change to Record?	Y

			IWED	A Sy	stem Ru	ules					
ID # 135 Syste	em Name	F	-16			Rule 1#	56	Rule 2#		Delete Rule	? N
Old Color 2	New Color 1						(Changed C	olor?	Y	
Parameter 1 #	10 Old Param. 1 ID	freezingra	in	New P	aram. 1 ID	Fre	ezing R	ain	Chai	nged Param.	1? N
Parameter 2 #	Old Param. 2 ID			New P	aram. 2 ID				Chai	nged Param.	2?
Old Value 1	0		New Va	lue 1		None			Chang	ged Value1?	Y
Old Value 2			New Va	lue 2					Chang	ged Value 2?	
Old Operator 1	> New Opt. 1	> Chang	ged Opt. 1	? N	Old Opt.	2 N	lew Opt.	2	Cha	anged Opt. 2?	, 🗀
Old Condensed Impact	Freezin	g Rain	New C Impact	ondens	ed	Freezin	g Rain		Chang Impac	ged Condense t?	ed N
Old Full Impact	Any occurrence of f	reezing rain dela	ys missic	n laund	ch because	e exposed ai	rcraft m	ust be de	iced.		
New Full Impact	Engine operation du	ıring freezing rai	n may res	ult in e	ngine dam	nage due to i	cing or	mission o	lelays d	lue to deicin	g.
Old Source (1	st Cavalry Division, 1	992\-				7		Ch	anged F	Full Impact?	Y
	O. 1F-16C-1, Page 7-5										
Comments											
Changed Source?	Y	Are Th	nere Any (2	2) Optio	ns?	N	•	Any	Change	to Record?	Y
										. 2	
ID # 136 Syste	m Name	F-	16			Rule 1#	59	Rule 2#		Delete Rule?	? N
Old Color 2	New Color 2					_	C	hanged C	olor?	N	
Parameter 1 #	17 Old Param. 1 ID	snow		New Pa	aram. 1 ID		Snow		Chan	nged Param. 1	1? N
Parameter 2 #	Old Param. 2 ID		ì	New Pa	aram. 2 ID				Chan	ged Param. 2	2?
Old Value 1	1		New Va	ue 1		Light			Chang	ed Value1?	Y
Old Value 2			New Va	ue 2					Change	ed Value 2?	
Old Operator 1	> New Opt. 1	> Chang	ed Opt. 17	N	Old Opt. 2	2 N	ew Opt.	2	Cha	nged Opt. 2?	
Old Condensed Impact	Sno	w	New Co Impact	ondense	ed	Sno	w		Change Impact	ed Condense ?	d N
Old Full Impact	Snow > light intensit	y significantly d	egrades t	ne pilot	s visual ar	nd infrared d	etection	n ranges.			
New Full Impact	Snow > light intensit	y significantly d	egrades ti	ne pilot	s visual ar	nd infrared d	etection	n ranges.			
Old Source (1s	st Cavalry Division, 19	2021-				7		Cha	inged F	ull Impact?	N
	erview with MAJ Fish		TW Wear	ons an	d Tactics	Branch, Aug	1997				
Comments									=		
Changed Source?	Y	Are Th	ere Any (2) Option	ns? N	1		Any (Change	to Record?	Y

			IWED	A Sys	tem Kui	es			
ID # 137 Syste	m Name		F-16			Rule 1 # 60	Rule 2#	Delete Rule	? N
Old Color 1	New Color 1						Changed Co	olor? N	
Parameter 1 #	17 Old Param. 1 ID		snow	New Pa	aram. 1 ID	Snow		Changed Param.	1? N
Parameter 2 #	Old Param. 2 ID			New Pa	aram. 2 ID			Changed Param.	2?
Old Value 1	0		New Va	alue 1		None		Changed Value1?	Y
Old Value 2			New Va	alue 2				Changed Value 2?	
Old Operator 1	> New Opt. 1	>	Changed Opt. 1	? N	Old Opt. 2	New Op	t. 2	Changed Opt. 2?	'
Old Condensed Impact	Sno	W	New C	Condense t	ed	Snow		Changed Condense Impact?	ed N
Old Full Impact	Any occurrence of s	nowfall de	egrades the pilo	ots visua	l and infrar	ed detection rang	jes.		
New Full Impact	Snowfall may degra	de the pilo	ots visual and in	nfrared d	etection ra	nges.			
						į	Ch	anged Full Impact?	Y
L-,-	st Cavalry Division, 1		ACC/DOTW Wea	apons ar	nd Tactics E	Branch, Aug 1997			
Comments									
Changed Source?	Y		Are There Any	(2) Optio	ns? N		Any	Change to Record?	Y
ID # 138 Syste	em Name		F-16			Rule 1 # 63	Rule 2#	Delete Rule	? Y
Old Color 2	New Color						Changed C	olor?	
Parameter 1 #	21 Old Param. 1 ID	surfac	ewindspeed	New Pa	aram. 1 ID			Changed Param.	1?
Parameter 2 #	Old Param. 2 ID			New Pa	aram. 2 ID			Changed Param.	2?
Old Value 1	30		New V	alue 1				Changed Value1?	
Old Value 2			New V	alue 2				Changed Value 2?	
Old Operator 1	>= New Opt. 1		Changed Opt. 1	1?	Old Opt. 2	New Op	ot. 2	Changed Opt. 2?	,
Old Condensed Impact	Surface	e Wind	New 0	Condenso et	ed			Changed Condense Impact?	be
Old Full Impact	Surface wind > 30 k	ts signific	antly increases	the imp	act errors f	or freefall munition	ons.		
New Full Impact									
						1	Ch	anged Full Impact?	
L	st Cavalry Division,							B	
New Source/ Reason for Delete	elete Rule: Not signi	ficant. Inte	rview with MAJ	l Fisher,	Pilot ACC/I	DOTW Weapons a	and Tactics	Branch, Aug 1997	
Comments									
Changed Source?	? Y		Are There Any	(2) Optio	ons?	1	Any	Change to Record?	Y

			IWEDA S					
ID # 139 Sys	tem Name	F-1	6		Rule 1 # 67	Rule 2#	Delete Rule	? Y
Old Color 1	New Color					Changed Co	olor?	
Parameter 1 #	21 Old Param. 1 ID	surfacewindsp	eed New	Param. 1 ID			Changed Param.	1?
Parameter 2 #	Old Param. 2 ID		New	Param. 2 ID			Changed Param. 2	2?
Old Value 1	20		New Value 1				Changed Value1?	
Old Value 2			New Value 2				Changed Value 2?	
Old Operator 1	>= New Opt. 1	Change	ed Opt. 1?	Old Opt. 2	New Or	ot. 2	Changed Opt. 2?	
Old Condensed Impact	Surface	Wind	New Conden Impact	sed			Changed Condense Impact?	d _
Old Full Impact	Surface wind > 20 k impact errors.	ts cause freefall m	unitions impa	ect points to	be manually com	puted and re	leased with associ	ated
New Full Impact						Cho	ngod Full Impost?	
Old Source	1st Cavalry Division, 1	992);]	Cha	nged Full Impact?	
	Delete Rule: Not signif		th MAJ Fisher	r, Pilot ACC/I	DOTW Weapons a	and Tactics E	Branch, Aug 1997	
Comments								
Changed Source	? Y	Are The	ere Any (2) Opti	ions? N		Any C	change to Record?	Y
ID # 140 Syst	tem Name	F-1	6		Rule 1 # 100	Rule 2#	100 Delete Rule?	N
Old Color 1	New Color 1					Changed Co	lor? N	
Parameter 1 #	4 Old Param. 1 ID	cloudcover	New F	Param. 1 ID	Cloud Co	ver	7	
Parameter 2 #	3 Old Param. 2 ID				0,000		Changed Param. 1	? N
Old Value 1		cloudbase	New F	Param. 2 ID	Cloud Ba	ise	Changed Param. 1 Changed Param. 2	
	3	cloudbase	New F	Param. 2 ID			_	
Old Value 2	3 3000	cloudbase		Param. 2 ID	Cloud Ba		Changed Param. 2	? N
			New Value 1	Param. 2 ID 3.	Cloud Ba /8 Coverage		Changed Param. 2 Changed Value1?	? N Y
Old Value 2	3000	> Change	New Value 1 New Value 2	3000 Ft. Old Opt. 2	Cloud Ba /8 Coverage	t. 2 <	Changed Param. 2 Changed Value1? Changed Value 2?	? N Y N
Old Value 2 Old Operator 1 Old Condensed	3000 > New Opt. 1	> Change	New Value 1 New Value 2 d Opt. 1? N New Condens Impact	Param. 2 ID 3. 3000 Ft. Old Opt. 2 sed attack optic	Cloud Ba /8 Coverage < New Op Low Clouds	t. 2 <	Changed Param. 2 Changed Value 1? Changed Value 2? Changed Opt. 2? Changed Condensed Impact?	? N Y N
Old Value 2 Old Operator 1 Old Condensed Impact	3000 New Opt. 1 Cloud Cloud cover > 3/8 ar	> Change ids and cloud bases < 3 icting aircraft to cl	New Value 1 New Value 2 d Opt. 1? New Condens Impact 0000 ft degrade oud free corrid	Param. 2 ID 3. 3000 Ft. Old Opt. 2 sed e attack optic	Cloud Ba /8 Coverage < New Op Low Clouds ons and maneuve	t. 2 <	Changed Param. 2 Changed Value1? Changed Value 2? Changed Opt. 2? Changed Condensed Impact? cks become	? N Y N
Old Value 2 Old Operator 1 Old Condensed Impact Old Full Impact	> New Opt. 1 Cloud Cover > 3/8 ar predictable by restricts	> Change ids and cloud bases < 3 icting aircraft to cl	New Value 1 New Value 2 d Opt. 1? New Condens Impact 0000 ft degrade oud free corrid	Param. 2 ID 3. 3000 Ft. Old Opt. 2 sed e attack optic	Cloud Ba /8 Coverage < New Op Low Clouds ons and maneuve	t. 2 < rability. Atta	Changed Param. 2 Changed Value1? Changed Value 2? Changed Opt. 2? Changed Condensed Impact? cks become	? N Y N
Old Value 2 Old Operator 1 Old Condensed impact Old Full Impact New Full Impact	> New Opt. 1 Cloud Cover > 3/8 ar predictable by restricts	> Change ids ind cloud bases < 3 icting aircraft to cl ind cloud bases < 3	New Value 1 New Value 2 d Opt. 1? New Condens Impact 0000 ft degrade oud free corrid	Param. 2 ID 3. 3000 Ft. Old Opt. 2 sed e attack optic	Cloud Ba /8 Coverage < New Op Low Clouds ons and maneuve	t. 2 < rability. Atta	Changed Param. 2 Changed Value1? Changed Value 2? Changed Opt. 2? Changed Condensed Impact? cks become	? N Y N N Y Y
Old Value 2 Old Operator 1 Old Condensed Impact Old Full Impact New Full Impact Old Source	> New Opt. 1 Cloud cover > 3/8 ar predictable by restrictions Cloud cover > 3/8 ar	> Change ids and cloud bases < 3 icting aircraft to cl and cloud bases < 3	New Value 1 New Value 2 d Opt. 1? N New Condens Impact 0000 ft degrade oud free corric	Param. 2 ID 3. 3000 Ft. Old Opt. 2 sed e attack option dors. grade attack	Cloud Ba /8 Coverage < New Op Low Clouds ons and maneuve options and man	t. 2 < rability. Atta	Changed Param. 2 Changed Value1? Changed Value 2? Changed Opt. 2? Changed Condensed Impact? cks become	? N Y N N Y Y
Old Value 2 Old Operator 1 Old Condensed Impact Old Full Impact New Full Impact Old Source New Source/ Reason for	3000 New Opt. 1 Cloud cover > 3/8 ar predictable by restrictable by restrictable cover > 3/8 ar predictable by restrictable by restrictable by restrictable cover > 3/8 ar predictable cover > 3/8 ar predictabl	> Change ids and cloud bases < 3 icting aircraft to cl and cloud bases < 3	New Value 1 New Value 2 d Opt. 1? N New Condens Impact 0000 ft degrade oud free corric	Param. 2 ID 3. 3000 Ft. Old Opt. 2 sed e attack option dors. grade attack	Cloud Ba /8 Coverage < New Op Low Clouds ons and maneuve options and man	t. 2 < rability. Atta	Changed Param. 2 Changed Value1? Changed Value 2? Changed Opt. 2? Changed Condensed Impact? cks become	? N Y N N Y Y

IWEDA System Rules F-16 ID # 141 Rule 1# 101 Rule 2 # 101 Delete Rule? System Name **Changed Color?** Y Old Color **New Color** Parameter 1 # Old Param, 1 ID cloudcover New Param. 1 ID Cloud Cover Changed Param. 1? N Parameter 2 # Old Param, 2 ID cloudbase New Param. 2 ID Cloud Base Changed Param. 2? N 5/8 Coverage Old Value 1 5 New Value 1 Changed Value1? 1000 1000 Ft. N Old Value 2 New Value 2 Changed Value 2? Old Opt. 2 Changed Opt. 1? Old Operator 1 New Opt. 1 N New Opt. 2 Changed Opt. 2? N Old Condensed Clouds **New Condensed** Very Low Clouds Changed Condensed Υ Impact Impact? Impact Cloud cover > 5/8 and cloud bases < 1000 ft significantly degrade visual attacks and maneuverability. Attacks Old Full Impact become predictable by restricting aircraft to cloud free corridors. New Full Impact Cloud cover > 5/8 and cloud bases < 1000 ft. degrade visual attacks and maneuverability. Y Changed Full Impact? **Old Source** (1st Cavalry Division, 1992); New Source/ Interview with MAJ Fisher, Pilot ACC/DOTW Weapons and Tactics Branch, Aug 1997 Reason for Delete Comments Υ Υ Y Changed Source? Are There Any (2) Options? Any Change to Record? System Name F-4G Delete Rule? ID# 142 Rule 1# 32 Rule 2# Old Color **New Color** Changed Color? thunderstorm New Param. 1 ID Changed Param. 1? Parameter 1 # Old Param. 1 ID Changed Param. 2? Parameter 2 # Old Param. 2 ID New Param. 2 ID Old Value 1 1 New Value 1 Changed Value 1? yes Old Value 2 New Value 2 Changed Value 2? New Opt. 1 Changed Opt. 1? Old Opt. 2 Changed Opt. 2? Old Operator 1 New Opt. 2 Old Condensed Thunderstorm **New Condensed** Changed Condensed Impact Impact Impact? Old Full Impact Thunderstorms may cause mission delays and limit areas where aircraft can operate effectively. New Full Impact Changed Full Impact? Old Source (1st Cavalry Division, 1992); New Source/ Delete Rule: No longer in inventory Reason for Delete Comments Υ Changed Source? N Υ Are There Any (2) Options? Any Change to Record?

				DA Sy								
ID # 143 System	m Name		F-4G				Rule 1#	56	Rule 2	#	Delete Rule	? Y
Old Color 2	New Color							C	hanged	Color?		
Parameter 1 #	10 Old Param. 1	D free	zingrain	New P	aram. 1	D				Cha	inged Param.	1?
Parameter 2 #	Old Param. 2	D		New P	Param. 2	םו				Cha	nged Param.	2?
Old Value 1	0		New '	Value 1						Chan	ged Value1?	
Old Value 2			New '	Value 2						Chan	ged Value 2?	
Old Operator 1	> New Opt. 1		Changed Opt.	. 1?	Old Op	t. 2	N	ew Opt.	2	Ch	anged Opt. 21	?
Old Condensed Impact	Freez	ing Rain	New	Condens	sed					Chang	ged Condens	ed
Old Full Impact	Freezing rain may	delay missi	on launch and	i recover	y due to	icy ru	inway cor	nditions	and de	icing of	aircraft.	
New Full Impact												
									C	Changed	Full Impact?	
	t Cavalry Division											
New Source/ Reason for Delete	lete Rule: No long	ger in invento	ory									
Comments												
Changed Source?	Y		Are There Any	(2) Optio	ons?	N	P. W. A.		An	y Change	e to Record?	Y
ID # 144 Syster	n Name		M1				Rule 1 # [53	Rule 2 #	<i>‡</i>	Delete Rule	? N
ID # 144 System Old Color 1	n Name New Color	1	M1				Rule 1 # [Rule 2 #	L	Delete Rule	? N
Old Color 1	_		M1	New P	aram. 1 I		L			Color?		
Old Color 1	New Color	D		=	aram. 1 I	D_	L	C		Color?	N	1? N
Old Color 1 Parameter 1 # 1	New Color Old Param. 1 I	D	rain	=		D D	L	C		Color? Cha Cha	N nged Param.	1? N
Old Color 1 Parameter 1 # 1 Parameter 2 #	New Color Old Param. 1 I	D	rain New \	New P		D D	L	C		Color? Cha Cha	N nged Param. nged Param.	1? N 2?
Old Color 1 Parameter 1 # 1 Parameter 2 # Old Value 1	New Color Old Param. 1 I	D D	rain New \	New Power Po	aram. 2 I	D M	oderate	C	hanged	Color? Cha Chan Chan Chan	N nged Param. nged Param. ged Value1?	1? N 2? Y
Old Color 1 Parameter 1 # 1 Parameter 2 # Old Value 1 Old Value 2	New Color Old Param. 1 I Old Param. 2 I O New Opt. 1	D D	rain New \ New \ Changed Opt.	New Power Po	Old Op	D M	oderate	C Rain	hanged	Color? Cha Chang Chang Chang	N nged Param. nged Value1? ged Value 2? anged Opt. 2? ged Condense	1? N 2? Y
Old Color 1 Parameter 1 # 1 Parameter 2 # Old Value 1 Old Value 2 Old Operator 1 Old Condensed impact	New Color Old Param. 1 I Old Param. 2 I O New Opt. 1	D	New \ New \ Changed Opt. New Impa	New P Value 1 Value 2 1? N Condense	Param. 2 i	D	oderate Ne Rai	C Rain	hanged	Color? Cha Chang Chang Chang Chang	N nged Param. nged Value1? ged Value 2? anged Opt. 2? ged Condense	1? N 2? Y
Old Color 1 Parameter 1 # 1 Parameter 2 # Old Value 1 Old Value 2 Old Operator 1 Old Condensed impact Old Full Impact	New Color Old Param. 1 I Old Param. 2 I O New Opt. 1 Prec	D >	New \ New \ Changed Opt. New Impa	New P Value 1 Value 2 1? N Condense ict	Old Oped	D M	oderate Ne Rai eturns.	C Rain ew Opt.	hanged	Color? Cha Chang Chang Chang Chang	N nged Param. nged Value1? ged Value 2? anged Opt. 2? ged Condense	1? N 2? Y
Old Color 1 Parameter 1 # 1 Parameter 2 # Old Value 1 Old Value 2 Old Operator 1 Old Condensed Impact Old Full Impact New Full Impact	New Color Old Param. 1 I Old Param. 2 I O New Opt. 1 Prec	D > ipitation f rain makes	New \ New \ Changed Opt. New Impa	New P Value 1 Value 2 1? N Condense ict	Old Oped	D M	oderate Ne Rai eturns.	C Rain ew Opt.	hanged 2	Color? Cha Chang Chang Chang Impac	N nged Param. nged Value1? ged Value 2? anged Opt. 2? ged Condense	1? N 2? Y
Old Color 1 Parameter 1 # 1 Parameter 2 # Old Value 1 Old Value 2 Old Operator 1 Old Condensed Impact Old Full Impact New Full Impact Old Source (1s New Source/ Per	New Color Old Param. 1 I Old Param. 2 I New Opt. 1 Preci	D > ipitation f rain makes f > modereat	rain New \ New \ Changed Opt. New Impa it difficult to i	New P Value 1 Value 2 1? N Condense ct identify fa	Old Oped alse rang	MM Mingratify fa	oderate Rai eturns.	Rain ew Opt. n	hanged 2 2	Color? Changed Impac	nged Param. nged Param. ged Value1? ged Value 2? anged Opt. 2? ged Condense t?	1? N 2? Y Ped Y
Old Color 1 Parameter 1 # 1 Parameter 2 # Old Value 1 Old Value 2 Old Operator 1 Old Condensed Impact Old Full Impact Old Source New Full Impact Old Source (1s New Source/ Reason for AN	New Color Old Param. 1 I Old Param. 2 I New Opt. 1 Preci Any occurrence of t Cavalry Division rsonal Interview w	D > ipitation f rain makes f > modereat	rain New \ New \ Changed Opt. New Impa it difficult to i	New P Value 1 Value 2 1? N Condense ct identify fa	Old Oped alse rang	MM Mingratify fa	oderate Rai eturns.	Rain ew Opt. n	hanged 2 2	Color? Changed Impac	nged Param. nged Param. ged Value1? ged Value 2? anged Opt. 2? ged Condense t?	1? N 2?

IWEDA System Rules M1 ID# 145 143 Rule 2 # 143 Delete Rule? System Name Rule 1# 2 **New Color** 2 Changed Color? N Old Color Parameter 1 # 26 Old Param. 1 ID visibility New Param. 1 ID Visibility Changed Param. 1? N New Param. 2 ID N Old Param. 2 ID rain Rain Changed Param. 2? Parameter 2 # 500 meters Old Value 1 500 New Value 1 Changed Value1? N Y Old Value 2 New Value 2 None Changed Value 2? N Changed Opt. 1? N Old Opt. 2 New Opt. 2 Changed Opt. 2? Old Operator 1 New Opt. 1 Precipitation and Reduced Visibility **New Condensed** Rain Changed Condensed Old Condensed Υ Impact Impact Impact? Any occurrence of rain and visibilities < 0.3 mile (500 m) make it very difficult for crews to distinguish between Old Full Impact friendly and enemy vehicles. Any occurrence of rain and visibilities < 0.3 mile (500 m) make it very difficult for crews to visually distinguish New Full Impact between friendly and enemy vehicles. Changed Full Impact? Υ Old Source (1st Cavalry Division, 1992); New Source/ Personal Interview with SME, 12 November 1997. CSM Donald Schwab HHC1-52 Armored Battalion North Carolina ANG, Ft. Bragg, NC Reason for Delete Comments Υ Changed Source? Υ Are There Any (2) Options? Υ Any Change to Record? М1 Rule 1 # 144 Rule 2 # 144 Delete Rule? N ID# 146 System Name Changed Color? Υ **New Color** Old Color New Param. 1 ID Visibility Changed Param. 1? N Parameter 1 # 26 Old Param. 1 ID visibility Cloud Cover Changed Param. 2? N New Param. 2 ID Parameter 2 # Old Param, 2 ID cloudcover New Value 1 1500 meters Changed Value1? N 1500 Old Value 1 Υ Changed Value 2? Old Value 2 0 New Value 2 None Changed Opt. 2? N Changed Opt. 1? N Old Opt. 2 New Opt. 2 Old Operator 1 New Opt. 1 Clear Skies and Reduced Visibility **New Condensed** Low Visibility Changed Condensed Old Condensed Impact Impact? Impact Clear skies and visibility < 0.9 mile (1500 m) make it very difficult for crews to distinguish between friendly and Old Full Impact enemy vehicles. Clear skies and visibility < 0.9 mile (1500 m) make it very difficult for crews to visually distinguish between friendly New Full Impact and enemy vehicles. Y Changed Full Impact? (1st Cavalry Division, 1992); Old Source Personal Interview with SME, 12 November 1997. CSM Donald Schwab HHC1-52 Armored Battalion North Carolina New Source/ Reason for ANG, Ft. Bragg, NC Delete Comments

Υ

Changed Source?

Are There Any (2) Options?

Y

Any Change to Record?

Υ

IWEDA System Rules ID# 147 System Name M109 SP HOWITZER Rule 1# 10 Rule 2# Delete Rule? Old Color **New Color** Changed Color? N temperature Parameter 1 # 22 Old Param. 1 ID New Param. 1 ID Temperature Changed Param. 1? N Parameter 2 # Old Param. 2 ID New Param. 2 ID Changed Param. 2? Old Value 1 60 New Value 1 - 20 F Changed Value1? Old Value 2 New Value 2 Changed Value 2? Old Operator 1 New Opt. 1 Changed Opt. 1? Old Opt. 2 New Opt. 2 Changed Opt. 2? Old Condensed Temperature **New Condensed Extreme Cold** Changed Condensed Impact Impact Impact? Old Full Impact Temperatures <= 60 F affect the artillery tube and therefore its accuracy. New Full Impact Temperatures <= -20 F affect the artillery tube and therefore its accuracy. Υ Changed Full Impact? Old Source (1st Cavalry Division, 1992); New Source/ TM 9-2350-311-10, Para 2-20, Feb 1996 Reason for Delete Comments Y Changed Source? Y Are There Any (2) Options? N Any Change to Record? ID# 148 M109 SP HOWITZER System Name Rule 1# 21 Rule 2# Delete Rule? Old Color 2 **New Color** Changed Color? Parameter 1 # Old Param. 1 ID temperature New Param. 1 ID Changed Param. 1? Old Param. 2 ID Parameter 2 # New Param. 2 ID Changed Param. 2? Old Value 1 125 New Value 1 Changed Value1? Old Value 2 New Value 2 Changed Value 2? Old Operator 1 New Opt. 1 Changed Opt. 1? Old Opt. 2 New Opt. 2 Changed Opt. 2? Old Condensed Hot **New Condensed** Changed Condensed Impact Impact Impact? Old Full Impact Temperatures >= 125 F greatly affect the artillery tube with quick build-up of heat. This makes propellant potentially flammable. New Full Impact Changed Full Impact? Old Source (1st Cavalry Division, 1992); New Source/ Delete Rule: TM 9-1025-211-10, Jan 1991, Operator's Manual for 155mm Howitzer (M109) says nothing about artillery Reason for tube temperature. Para 2-31 says to "oil frequently in hot climates". Delete Comments Changed Source? Υ Are There Any (2) Options? N Υ Any Change to Record?

		IWEDA	System Ru	iles	
ID # 149 Syste	em Name	M2/M3		Rule 1 # 143 Rul	e 2 # 143 Delete Rule? N
Old Color 2	New Color 2			Chan	ged Color? N
Parameter 1 #	26 Old Param. 1 ID v	isibility N	New Param. 1 ID	Visibility	Changed Param. 1? N
Parameter 2 #	14 Old Param. 2 ID	rain	New Param. 2 ID	Rain	Changed Param. 2? N
Old Value 1	500	New Valu	ıe 1	500 meters	Changed Value1? N
Old Value 2	0	New Valu	ıe 2 0		Changed Value 2? N
Old Operator 1	< New Opt. 1 <	Changed Opt. 1?	N Old Opt.	2 > New Opt. 2	> Changed Opt. 2? N
Old Condensed Impact	Precipitation and Reduced V	/isibility New Colling	ndensed	Rain	Changed Condensed Y Impact?
Old Full Impact	Any occurrence of rain and v friendly and enemy vehicles.	sibilities < 0.3 mil	e (500 m) make	it very difficult for crews	s to distinguish between
New Full Impact	Any occurrence of rain and v between friendly and enemy		e (500 m) make	it very difficult for crews	s to visually distinguish
					Changed Full Impact?
<u>-</u>	Ist Cavalry Division, 1992);				
	ersonal Interview with SME, 12 NG, Ft. Bragg, NC	November 1997.	CSM Donald Sci	hwab HHC1-52 Armored	Battalion North Carolina
Comments					
Changed Source	? Y	Are There Any (2)	Options?	Y	Any Change to Record?
	em Name	M2/M3			e 2 # 144 Delete Rule? N
Old Color 2	New Color 1				nged Color? Y
Parameter 1 #			New Param. 1 ID		Changed Param. 1? N
Parameter 2 #		7	New Param. 2 ID		Changed Param. 2? N
Old Value 1	1500	New Valu		1500 meters	Changed Value1? N
Old Value 2	0	New Value			Changed Value 2? N
Old Operator 1				2 = New Opt. 2	= Changed Opt. 2? N
Old Condensed Impact	Clear Skies and Reduced V	Impact	ndensed	Low Visibility	Changed Condensed Y Impact?
Old Full Impact	Clear skies and visibility < 0. enemy vehicles.	9 mile (1500 m) ma	ake it very diffic	ult for crews to distingu	ish between friendly and
New Full Impact	Clear skies and visibility < 0. and enemy vehicles.	9 mile (1500 m) ma	ake it very diffic	ult for crews to visually	distinguish between friendly
_					Changed Full Impact?
Ŀ	1st Cavalry Division, 1992);				
	Personal Interview with SME, 12 ANG, Ft. Bragg, NC	November 1997.	CSM Donald Sc	hwab HHC1-52 Armored	Battalion North Carolina
Comments					
Changed Source	? Y	Are There Any (2) Options?	Υ	Any Change to Record?

				IWE	DA Sys	stem Rul	les					
ID # 151 Syst	em Name			MLQ-34			Rule 1#	7	Rule 2#		Delete Rule?	N
Old Color 2	New	Color 2	2					С	hanged Co	olor?	N	
Parameter 1 #	22 Old !	Param. 1 ID	ten	perature	New Pa	aram. 1 ID	Ten	nperatu	re	Char	nged Param. 1	? N
Parameter 2 #	Old I	Param. 2 ID			New Pa	aram. 2 ID				Char	nged Param. 2	??
Old Value 1		-25		New V	alue 1		-25 F			Chang	ged Value1?	N
Old Value 2				New V	alue 2					Chang	jed Value 2?	
Old Operator 1	<= N	lew Opt. 1	<=	Changed Opt.	1? N	Old Opt. 2	N	ew Opt.	2	Cha	inged Opt. 2?	
Old Condensed Impact		Co	ld	New (Condense t	ed	Extreme	Cold		Chang Impact	ed Condense t?	d Y
Old Full Impact		atures <= -2 vn at these t		the operationares.	ıl limits.	The antenn	a cables ter	nd to fre	eze and s	nap du	ıring set-up o	r
New Full Impact		ntures <= -2 n at these t		I the operationares.	ıl limits.	The antenn	a cables ter	nd to fre	eze and s	nap du	ıring set-up o	r
Old Source (1	Ist Cavalry	Division, 1	992);						Cha	inged F	full Impact?	N
New Source/ Reason for Delete	M 34-81-1,	Appendix I	-6, Dec 19	92			#175-864E		, , , , , , , , , , , , , , , , , , , ,			
Comments												
Changed Source?	? Y			Are There Any	(2) Optio	ns? N]		Any C	hange	to Record?	Y
ID # 152 Syste	em Name			MLQ-34			Rule 1#	17	Rule 2#		Delete Rule?	N
Old Color 2	New (Color 2			_			C	hanged Co	lor?	N	
Parameter 1 #	22 Old F	Param. 1 ID	tem	perature	New Pa	ram. 1 ID	Tem	peratur	e	Chan	iged Param. 1	? N
Parameter 2 #	Old F	Param. 2 ID			New Pa	ram. 2 ID				Chan	iged Param. 2	?
Old Value 1		120		New Va	alue 1		120 F			Change	ed Value1?	N
Old Value 2				New Va	alue 2					Change	ed Value 2?	
Old Operator 1	>= N	ew Opt. 1	>=	Changed Opt. 1	? N	Old Opt. 2	Ne	w Opt. 2	2	Cha	nged Opt. 2?	
Old Condensed Impact		Но	t	New C	ondense t	d	Very I	Hot		Change Impact	ed Condensed ?	Y
Old Full Impact	Tempera	tures >= 12	0 F exceed	the operationa	ıl limits.							
New Full Impact	Tempera	tures >= 12	0 F exceed	the operationa	il limits.							
Old Source (1	ot Covoln	Division, 1	002).			1			Cha	nged F	ull Impact?	N
		Appendix I		92								
Comments												
Changed Source?	Υ			Are There Any ((2) Option	ns? N]		Any C	hange	to Record?	Y

IWEDA System Rules											
ID # 153 System	m Name	MLQ-3	34		Rule 1 # 25	Rule 2#	Delete Rule? Y				
Old Color 1	New Color					Changed Col	or?				
Parameter 1 #	6 Old Param. 1 ID	dewpoint	New P	aram. 1 ID			Changed Param. 1?				
Parameter 2 #	Old Param. 2 ID		New P	aram. 2 ID			Changed Param. 2?				
Old Value 1	65		New Value 1				Changed Value1?				
Old Value 2			New Value 2				Changed Value 2?				
Old Operator 1	>= New Opt. 1	Changed	Opt. 1?	Old Opt. 2	New Op	it. 2	Changed Opt. 2?				
Old Condensed Impact	Dewpoint Ten	perature	New Condense Impact	ed			Changed Condensed Impact?				
Old Full Impact	Dewpoint temperature	es >= 65 F degrad	e performance	€.							
New Full Impact											
	·					Char	nged Full Impact?				
	st Cavalry Division, 19										
New Source/ Reason for Delete	elete Rule: Absolutely	no reference in FN	/I 34-81-1, Dec	1992. No ot	her sources foun	d.					
Comments											
Changed Source?	Y	Are Ther	e Any (2) Option	ons? N		Any C	hange to Record?				
ID # 154 Syste	m Name	MLQ-	34		Rule 1 # 26	Rule 2#	Delete Rule? Y				
Old Color 2	New Color					Changed Col					
Parameter 1 #	6 Old Param. 1 ID	dewpoint	New P	aram. 1 ID			Changed Param. 1?				
Parameter 2 #	Old Param. 2 ID		New P	aram. 2 ID			Changed Param. 2?				
Old Value 1	85		New Value 1				Changed Value1?				
Old Value 2			New Value 2				Changed Value 2?				
Old Operator 1	>= New Opt. 1	Changed	d Opt. 1?	Old Opt. 2	New Op	ot. 2	Changed Opt. 2?				
Old Condensed Impact	Dewpoint Ter	nperature	New Condens Impact	ed			Changed Condensed Impact?				
Old Full Impact	Dewpoint temperatur	es >= 85 F greatly	degrade perf	ormance an	d exceed operation	ng limits.					
New Full Impact											
							. ,				
						Cha	nged Full Impact?				
Old Source (1	st Cavalry Division, 19	92);				Olia	god i dii mipaot:				
Reason for Delete	elete Rule: Absolutely	no reference in FI	M 34-81-1, Dec	1992. No o	ther sources four	nd.					
Comments											
Changed Source?	Y	Are The	re Any (2) Option	ons?		Any C	Change to Record?				

		IWED	A System I	Rules		
ID # 155 Syste	m Name	OH-58C		Rule 1 # 24	Rule 2#	Delete Rule? Y
Old Color 1	New Color				Changed C	olor?
Parameter 1 #	22 Old Param. 1 ID	temperature	New Param. 1	ID		Changed Param. 1?
Parameter 2 #	Old Param. 2 ID		New Param. 2	ID		Changed Param. 2?
Old Value 1	100	New Va	alue 1			Changed Value1?
Old Value 2		New Va	alue 2			Changed Value 2?
Old Operator 1	>= New Opt. 1	Changed Opt. 1	? Old Op	t. 2 New C	Opt. 2	Changed Opt. 2?
Old Condensed Impact	Hot	New C	ondensed t			Changed Condensed Impact?
Old Full Impact	Temperatures >= 100 F o	degrade aircraft perfo	rmance.			
New Full Impact						
Old Source (1s	st Cavalry Division, 1992)				Ch	anged Full Impact?
<u> </u>	lete Rule: Not significant		s in TM 55-1520	 -228-10, Para 8-36,	Jun 1996	
Comments						
Changed Source?	Y	Are There Any (2) Options?	N	Any	Change to Record? Y
ID # 156 System	n Name	OH-58C		Rule 1 # 32	Rule 2 #	Delete Rule? N
Old Color 2	New Color 1				Changed C	olor? Y
Parameter 1 #	Old Param. 1 ID	thunderstorm	New Param. 1 I	D Thunder	storm	Changed Param. 1? N
Parameter 2 #	Old Param. 2 ID		New Param. 2 I	D		Changed Param. 2?
Old Value 1	1	New Va	lue 1	None		Changed Value1? Y
Old Value 2		New Va	ilue 2			Changed Value 2?
Old Operator 1	= New Opt. 1	> Changed Opt. 1	? Y Old Op	t. 2 New C)pt. 2	Changed Opt. 2?
Old Condensed Impact	Thunderstor		ondensed	Thunderstor	m	Changed Condensed N
Old Full Impact	Any occurrence of thunc	lerstorms curtail aircr	aft and refuelin	g operations due to	safely cons	iderations.
New Full Impact	Intentional flight into thu may be delayed.	ınderstorm is prohibit	ted. Care must i	oe exercised while	performing fl	ight planning. Flights
					Cha	anged Full Impact?
<u></u>	t Cavalry Division, 1992); 55-1520-228-10, Para 8-3					
Comments						
Changed Source?	Y	Are There Any (2) Options?	N	Any (Change to Record? Y

IWEDA System Rules OH-58C Rule 1# 56 Rule 2# Delete Rule? ID# 157 System Name 2 **New Color** Changed Color? Y Old Color Parameter 1 # 10 Old Param. 1 ID freezingrain New Param. 1 ID Freezing Rain Changed Param. 1? N New Param. 2 ID Changed Param. 2? Old Param. 2 ID Parameter 2 # None Changed Value 1? Old Value 1 0 New Value 1 Old Value 2 New Value 2 Changed Value 2? Changed Opt. 1? N Old Opt. 2 New Opt. 2 Changed Opt. 2? Old Operator 1 New Opt. 1 **New Condensed** Changed Condensed Freezing Rain Freezing Rain Old Condensed Impact Impact Impact? Old Full Impact Any occurrence of freezing rain delays mission launch because exposed aircraft must be deiced. Any occurrence of freezing rain delays mission launch because exposed aircraft must be deiced. **New Full Impact** N Changed Full Impact? **Old Source** (1st Cavalry Division, 1992); TM 55-1520-228-10, Para 8-34, Jun 1996 New Source/ Reason for Delete Comments Y Changed Source? Υ Are There Any (2) Options? N Any Change to Record? N OH-58C 60 Rule 2# Delete Rule? ID# 158 System Name Rule 1# Changed Color? Old Color **New Color** N Changed Param. 1? N New Param. 1 ID Snow Parameter 1 # Old Param, 1 ID snow Changed Param. 2? Old Param. 2 ID New Param. 2 ID Parameter 2 # None Υ Old Value 1 New Value 1 Changed Value 1? Changed Value 2? New Value 2 Old Value 2 Changed Opt. 1? N Old Opt. 2 Changed Opt. 2? Old Operator 1 New Opt. 1 New Opt. 2 **New Condensed** Changed Condensed Old Condensed Snow Snow Impact? Impact Impact Any occurrence of snowfall requires the installation of reverse flow fairings which could delay mission launch. Old Full Impact These fairings also degrade the power margin by 4%. Any occurrence of snowfall requires the installation of reverse flow fairings which could delay mission launch. New Full Impact These fairings also degrade the power margin by 4%. Visibility must be >= 1/2 mile. Υ Changed Full Impact? Old Source (1st Cavalry Division, 1992); TM 55-1520-228-10, Para 5-30, Jun 1996 New Source/ Reason for Delete Comments Y Υ Are There Any (2) Options? Ν Any Change to Record? Changed Source?

			IWEL	DA Sy	stem Ru	iles					
ID # 159 Syste	em Name	OH-	-58C			Rule 1#	61	Rule 2#		Delete Rule	? N
Old Color 1	New Color 1						С	hanged C	olor?	N	
Parameter 1 #	2 Old Param. 1 ID	blowingsn	ow	New P	aram. 1 ID	Blov	wing Sno	w	Cha	nged Param.	1? N
Parameter 2 #	Old Param. 2 ID			New P	aram. 2 ID				Cha	nged Param.	2?
Old Value 1	1		New V	alue 1		None			Chang	ged Value1?	Y
Old Value 2			New V	alue 2				=	Chang	ged Value 2?	
Old Operator 1	= New Opt. 1	> Chang	ed Opt. 1	1? Y	Old Opt. 2	2 N	ew Opt.	2	Cha	anged Opt. 2?	, <u> </u>
Old Condensed Impact	Blowing S	Snow	New C	Condens t	ed	Blowing	Snow		Chang Impac	ged Condense t?	ed N
Old Full Impact	Any occurrence of blo These fairings also de					erse flow fa	irings w	hich coul	d delay	mission lau	ınch.
New Full Impact	Any occurrence of blo These fairings also do	owing snow req egrade the pow	uires the er margi	e installa n by 4%	ation of rev . Visibility	verse flow fa must be >=	irings wi 1/2 mile.	hich coul	d delay	mission lau	inch.
Old Source (1	st Cavalry Division, 19	92);				7		Ch	anged F	Full Impact?	Y
	M 55-1520-228-10, Para										
Comments											
Changed Source?	Y	Are Th	ere Any ((2) Optio	ns? [V)		Any	Change	to Record?	Y
ID # 160 Syste	em Name	OH-	58C			Rule 1#	63 F	Rule 2#		Delete Rule	? N
Old Color 2	New Color 1][nanged Co	olor?	Y	
Parameter 1 #	21 Old Param. 1 ID	surfacewinds	peed	New Pa	aram. 1 ID	Surface	Wind S		_	nged Param. 1	1? N
Parameter 2 #	Old Param. 2 ID			New Pa	aram. 2 ID				=	iged Param. 2	
Old Value 1	30		New Va	alue 1		35 kts.		7		ed Value1?	Y
Old Value 2			New Va	alue 2				7	Change	ed Value 2?	H
Old Operator 1	>= New Opt. 1	> Change	ed Opt. 1	? Y	Old Opt. 2	Ne	ew Opt. 2	·	_	nged Opt. 2?	
Old Condensed Impact	Surface V		1	ondense		Strong Sur				ed Condense	
Old Full Impact	Surface wind speed >	30 kts exceeds	the syst	em ope	rating limit	s to perform	terrain	flights.			
New Full Impact	Surface wind speed >	35 kts may imp	act on ai	rcraft ho	over.						
		,									
Old Source (1	st Cavalry Division, 199	(2);						Cha	inged F	ull Impact?	Y
New Source/ Reason for Delete	/ 55-1520-228-10, Para	5-8b, Jun 1996									
Comments											
Changed Source?	Υ	Are The	ere Any (2) Option	ns? N			Any 0	Change	to Record?	Υ

		IWE	DA System	Rules		
ID # 161 Syste	em Name	OH-58C		Rule 1 #	67 Rule 2 #	Delete Rule? N
Old Color 1	New Color 2				Changed C	Color? Y
Parameter 1 #	21 Old Param. 1 ID	surfacewindspeed	New Param. 1	ID Surface	Wind Speed	Changed Param. 1? N
Parameter 2 #	Old Param. 2 ID		New Param. 2	ID		Changed Param. 2?
Old Value 1	20	New \	/alue 1	45 kts.		Changed Value1?
Old Value 2		New \	/alue 2			Changed Value 2?
Old Operator 1	>= New Opt. 1	> Changed Opt.	1? Y Old O	pt. 2 Ne	ew Opt. 2	Changed Opt. 2?
Old Condensed Impact	Surface \	Wind New Impa	Condensed	Strong Surf	ace Wind	Changed Condensed Y Impact?
Old Full Impact	Surface wind speed >	20 kts impacts the abi	ility to safely per	rform terrain flig	hts.	
New Full Impact	Surface wind speed >	• 45 kts helicopter shou	uld not be starte	d.		
Old Source (1	st Cavalry Division, 19	92):			Ch	nanged Full Impact?
ــــــــــــــــــــــــــــــــــــــ	M 55-1520-228-10, Para					
Comments						
Changed Source?	Y Y	Are There Any	/ (2) Options?	N	Any	Change to Record? Y
	em Name	OH-58C		Rule 1 #	75 Rule 2#	Delete Rule? Y
Old Color 2	New Color	surfacewindgust	New Param. 1	ID	Changed C	Changed Param. 1?
Parameter 1 #	20 Old Param. 1 ID	Surfacewindgust				
Parameter 2 #	Old Param. 2 ID	Na	New Param. 2			Changed Param. 2?
Old Value 1	30		Value 1			Changed Value 1?
Old Value 2	No. Oct 4		Value 2 Old O	n-1 2 N	ew Opt. 2	Changed Value 2? Changed Opt. 2?
Old Operator 1	>= New Opt. 1	Changed Opt.	Condensed	pt. 2	ew Opt. 2	Changed Condensed
Old Condensed Impact	Gus	Impa				Impact?
Old Full Impact	Surface wind gust >=	30 kts exceeds the sys	stem limits to st	art engines.		
New Full Impact						
					Ch	nanged Full Impact?
Old Source (1	1st Cavalry Division, 19	92);				
New Source/ Reason for Delete	elect Rule: No longer	significant				
Comments						
Changed Source	? Y	Are There Any	y (2) Options?	N	Any	Change to Record?

			IVVEDA	System	Ruie	es		
ID # 163 Syste	m Name	OH-	58C			Rule 1 # 76	Rule 2#	Delete Rule? N
Old Color 1	New Color 2						Changed (Color? Y
Parameter 1 #	12 Old Param. 1 ID	icingintens	ity Ne	w Param.	1 ID	lcing		Changed Param. 1? Y
Parameter 2 #	Old Param. 2 ID		Ne	w Param.	2 ID			Changed Param. 2?
Old Value 1	0		New Value	1		None		Changed Value1? Y
Old Value 2			New Value	2				Changed Value 2?
Old Operator 1	> New Opt. 1	> Chang	ed Opt. 1?	N Old	Opt. 2	New Op	ot. 2	Changed Opt. 2?
Old Condensed Impact	Icing A	loft	New Cond Impact	ensed		Icing Aloft		Changed Condensed N Impact?
Old Full Impact	Upper-level icing inte	ensity > none ma	y degrade p	erforman	ce.			
New Full Impact	Intentional flight in a (~icing top) feet AGL		condition is	prohibited	d, if the	aircraft is flying	g between (~ Icing Base) and
0110							Ch	nanged Full Impact?
New Source/ Reason for Delete	st Cavalry Division, 19 // 55-1520-235-10, Para							
Comments								
Changed Source?	Y	Are Th	ere Any (2) C	ptions?	N		Any	Change to Record? Y
ID # 164 Syste	m Name	OH-	58C			Rule 1 # 77	Rule 2#	Delete Rule? Y
Old Color 2	New Color						Changed C	
Parameter 1 #	12 Old Param. 1 ID	icingintens	ity Ne	w Param.	1 ID			Changed Param. 1?
Parameter 2 #	Old Param. 2 ID		Nev	w Param.	2 ID			Changed Param. 2?
Old Value 1	1		New Value	1				Changed Value1?
Old Value 2			New Value	2	****			Changed Value 2?
Old Operator 1	> New Opt. 1	Chang	ed Opt. 1?	Old	Opt. 2	New Op	t. 2	Changed Opt. 2?
Old Condensed Impact	Icing A	loft	New Conde	ensed				Changed Condensed Impact?
Old Full Impact	IAW AR95-1, aircraft	cannot fly into a	reas of icing	intensity	> light	•		
New Full Impact								
Old Source (1s	st Cavalry Division, 19	92);					Ch	anged Full Impact?
L	lete Rule: Not necess		‡ 163					
Comments								
Changed Source?	Y	Are Th	ere Any (2) O	ptions?	N		Any	Change to Record? Y

				IWI	EDA Sy	stem R	ules	··-				
ID # 165 Syst	tem Name			OH-58C			Rule 1	# 79	Rule 2#		Delete Rule?	? N
Old Color 1	New	Color 1							Changed (Color?	N	
Parameter 1 #	24 Old	Param. 1 ID	turbule	nceintensity	New P	aram. 1 ID	Turb	ulence l	ntensity	Cha	inged Param. 1	1? N
Parameter 2 #	Old	Param. 2 ID			New P	aram. 2 ID				Cha	inged Param. 2	2?
Old Value 1		1		New	Value 1		Moderat	е		Chan	ged Value1?	Y
Old Value 2				New	/ Value 2					Chan	ged Value 2?	
Old Operator 1	> N	lew Opt. 1	<=	Changed Op	t. 1? Y	Old Opt.	2	New Op	ot. 2	Ch	anged Opt. 2?	
Old Condensed impact		Turbulend	ce Aloft		w Condens pact	ed	Turbul	ence Al	oft	Chan	ged Condense ct?	d N
Old Full Impact	Upper-le	vel turbulen	ice > light	intensity de	grades flyi	ng safety.						
New Full Impact				derate intens d on helicop						bulence	base) &	
Old Source	1st Cavaln	/ Division, 1	992);						С	hanged	Full Impact?	Y
New Source/ Reason for Delete	TM 55-1520	-228-10, Par	a 8-37, Ju	n 1996								
Comments												
Changed Source	? Y			Are There A	ny (2) Optio	ons?	N		Any	/ Chang	e to Record?	Y
	tem Name			OH-58C			Rule 1	# 80	Rule 2#		Delete Rule?	? N
Old Color 2		Color 2							Changed		N	
Parameter 1 #		Param. 1 ID	turbule	nceintensity		aram. 1 ID		ulence I	ntensity		anged Param. 1	
Parameter 2 #	Old	Param. 2 ID		1		aram. 2 ID					anged Param. 2	
Old Value 1		2			Value 1		Moderat	e			ged Value1?	Y
Old Value 2				j	Value 2						ged Value 2?	
Old Operator 1		New Opt. 1	>	Changed Op		, ,		New O			anged Opt. 2?	
Old Condensed Impact		Turbulen	ce Aloft	1	w Condens pact	ed	Severe Tu	rbulenc	e Aloft	Chan Impa	ged Condense ct?	d Y
Old Full Impact	Upper-le	vel turbuler	nce > mod	erate intensi	ty exceeds	the opera	ating limits	•				
New Full Impact				erate intensi hen based o							ence base) & t	
	L								C	hanged	Full Impact?	Υ
Old Source	(1st Cavair	y Division, 1	992);							•		لــا
New Source/ Reason for Delete	TM 55-1520)-228-10, Par	a 8-37, Ju	n 1996								
Comments												
Changed Source	e? Y			Are There A	ny (2) Opti	ons?	N	<u> </u>	An	y Chang	je to Record?	Υ

					IWE	OA Sy	stem F	Rule	es						
ID # 167 Syst	em Nam	е		OH-	58C				Rule 1 #	85	Rule	2#		Delete Rule	? N
Old Color 1	Ne	w Color	1								Chang	ed Co	lor?	N	
Parameter 1 #	13 0	ld Param. 1 IC	pres	surealtitu	ıde	New F	Param. 1 I	D	Press	ure Alt	itude		Cha	nged Param.	1? N
Parameter 2 #	0	ld Param. 2 II)			New F	Param. 2 I	D					Cha	nged Param.	2?
Old Value 1		5000			New V	alue 1			5000 ft.			1	Chang	ed Value1?	N
Old Value 2					New V	alue 2							Chang	jed Value 2?	
Old Operator 1	>	New Opt. 1	>	Change	ed Opt. 1	? N	Old Op	t. 2	N	ew Opt	. 2		Cha	inged Opt. 2	?
Old Condensed Impact		Pressur	e Altitude		New C	Condens t	sed	Н	igh Pressu	re Alti	tude		Chang Impac	ed Condens	ed Y
Old Full Impact	Opera	iting perform	ance of ro	tary wing	aircraf	t is dec	reased w	hen	operating	at pres	sure a	altitud	es > 5	6000 ft.	
New Full Impact	Opera	ting perform	ance of ro	tary wing	aircraf	t is dec	reased w	hen	operating	at pres	sure a	altitud	es > 5	000 ft.	
Old Source (let Cava	Iry Division,	1002\•									Char	nged F	full Impact?	N
New Source/	M 55-15	20-228-10, CI , Para 5-8, Se	hapter 7, J	un 1996											
Delete															
Comments															
Changed Source	? Y			Are The	ere Any ((2) Option	ons?	N				Any C	hange	to Record?	Y
ID # 168 Syst	em Nam	e		OH-5	8C				Rule 1 #	86	Rule	2#		Delete Rule	? Y
Old Color 2	Ne	w Color									Change	ed Col	or?		
Parameter 1 #	13 OI	d Param. 1 ID	press	surealtitu	ide	New P	aram. 1 I	D				·	Chan	ged Param.	1?
Parameter 2 #	oı	d Param. 2 ID				New P	aram. 2 li	D.					Chan	ged Param.	2?
Old Value 1		10000]	New Va	alue 1						(Chang	ed Value1?	
Old Value 2					New Va	alue 2						(Chang	ed Value 2?	
Old Operator 1	>	New Opt. 1		Change	d Opt. 1	?	Old Opt	t. 2	Ne	ew Opt	2		Cha	nged Opt. 2?	· 🗌
Old Condensed Impact		Pressure	e Altitude		New C	ondens	ed					5	Chang mpact	ed Condense	ed
Old Full Impact		ting perform ft. Actions r										at pre	ssure	altitudes >	
New Full Impact															
												Char	and E	full Impact?	
Old Source (1	st Cava	Iry Division,	1992);									;	igeu r	an impact:	
	elete Ru ondition	ile: This is to	oo restricti	ve as a re	ed cond	ition, P	ilot has o	optio	ons. It is inc	cluded	in > 5	000 ft	as an	amber	
Comments															
Changed Source?	? Y			Are The	re Any (2) Optic	ns?	N				Any Cl	nange	to Record?	Υ

	· · · · · · · · · · · · · · · · · · ·	11	WEDA Sy	stem Kul	es			
ID# 169 System	n Name	OH-58	D		Rule 1 # 24	Rule 2#	Delete Rule	? Y
Old Color 1	New Color					Changed Cold	or?	
Parameter 1 # 2	Old Param. 1 ID	temperature	New F	aram. 1 ID			Changed Param.	1?
Parameter 2 #	Old Param. 2 ID		New F	aram. 2 ID			Changed Param.	2?
Old Value 1	100	N	lew Value 1				Changed Value1?	
Old Value 2			lew Value 2				Changed Value 2?	
Old Operator 1	>= New Opt. 1	Changed	Opt. 1?	Old Opt. 2	New Op	t. 2	Changed Opt. 2?	
Old Condensed Impact	Но	i	New Condens Impact	ed			Changed Condense mpact?	d
Old Full Impact	Temperatures >= 10	0 F degrade aircraft	performance).				
New Full Impact								
						Chan	ged Full Impact?	
L	t Cavalry Division, 1 lete Rule: Based on		1520-248-10,	Para 8-36, Ma	ay 1997			
Comments								
Changed Source?	Y	Are There	Any (2) Option	ons? N		Any Ch	nange to Record?	Y
	m Name	OH-58	D		Rule 1 # 56	Rule 2#	Delete Rule	? N
Old Color 2	New Color 1					Changed Cole		
	Old Param. 1 ID	freezingrain		aram. 1 ID	Freezing I	Rain	Changed Param.	
Parameter 2 #	Old Param. 2 ID			Param. 2 ID			Changed Param.	
Old Value 1	0		New Value 1		None		Changed Value 1?	Y
Old Value 2	Now Oat 4		New Value 2] 014 0-4 3	New Or		Changed Value 2? Changed Opt. 2?	
Old Operator 1 Old Condensed	> New Opt. 1		Opt. 1? N New Condens	_	Freezing Rair		Changed Condense	
Impact	Freezin		Impact	eu	Freezing Raii	4	mpact?	N
Old Full Impact	Any occurrence of f	reezing rain delays	mission laun	ch because e	exposed aircraft	must be deic	ed.	
New Full Impact	Any occurrence of f	reezing rain delays	mission laun	ch because o	exposed aircraft	must be deic	ed.	
Old Sauras (44)	4 Cavalar Division 4	000).				Char	iged Full Impact?	N
<u></u>	t Cavalry Division, 1							
Comments								
Changed Source?	Υ	Are There	e Any (2) Opti	ons? N		Any Cl	hange to Record?	Υ

			IWEDA S	System	Rule	s				
ID # 171 System	m Name	OH-	58D			Rule 1 #	67 F	Rule 2#	Delete Rule	e? N
Old Color 1	New Color 2						Ch	anged C	olor? Y	
Parameter 1 #	21 Old Param. 1 ID	surfacewinds	peed Ne	w Param.	1 ID	Surfac	e Wind S	peed	Changed Param.	1? N
Parameter 2 #	Old Param. 2 ID		Ne	w Param.	2 ID				Changed Param.	2?
Old Value 1	20		New Value	1		45 kts.		7	Changed Value1?	Y
Old Value 2			New Value	2					Changed Value 2?	
Old Operator 1	>= New Opt. 1	> Chang	ed Opt. 1?	Y Old	Opt. 2		New Opt. 2		Changed Opt. 2	?
Old Condensed Impact	Surface	Wind	New Condo	ensed	Si	trong Su	rface Win	d	Changed Condens Impact?	ed Y
Old Full Impact	Surface wind speed	> 20 kts impacts	the ability to	take-off	safely.					
New Full Impact	When speed > 45 kts	. helicopter sho	uld not be sta	irted.						
Old Course (4a	4 Caralas Division 40	102)				, ,		Cha	anged Full Impact?	Y
	st Cavalry Division, 19									
New Source/ Reason for Delete	l 55-1520-248-10, Para	1 5-75, Jun 1997								
Comments										
Changed Source?	Y	Are Th	ere Any (2) O	ptions?	N			Any	Change to Record?	Y
ID# 172 System	m Name	OH-	58D			Rule 1#	68 F	ule 2#	Delete Rule	? Y
Old Color 2	New Color						Ch	anged Co	olor?	
Parameter 1 #	Old Param. 1 ID	surfacewinds	peed Nev	v Param.	1 ID				Changed Param.	1?
Parameter 2 #	Old Param. 2 ID		Nev	v Param.	2 ID				Changed Param.	2?
Old Value 1	45		New Value	1					Changed Value1?	
Old Value 2			New Value	2					Changed Value 2?	
Old Operator 1	> New Opt. 1	Chang	ed Opt. 1?	Old	Opt. 2	l l	New Opt. 2		Changed Opt. 2	?
Old Condensed Impact	Surface \	Wind	New Conde Impact	ensed					Changed Condens Impact?	ed
Old Full Impact	Surface wind speed	> 45 kts exceeds	the system (operatin I	imits to	take-off	•			
New Full Impact										
Old Source (1s	at Cavalry Division, 19	1921-						Cha	anged Full Impact?	
<u></u>	lete Rule: Duplicate o									
Comments	- Charles - Char									
Changed Source?	Y	Are Th	ere Any (2) O	ptions?	N			Any (Change to Record?	Y

				IWED	OA Sy	stem l	Rule	es					
ID # 173 Syste	m Name			OH-58D				Rule 1#	75	Rule	2#	Delete Rule	? N
Old Color 2	New	Color 2								Chang	ed Color?	N	
Parameter 1 #	20 Old	Param. 1 ID	surfac	ewindgust	New P	aram. 1	D	Surfa	ce Wind	d Gust	Ch	anged Param.	1? N
Parameter 2 #	Old	Param. 2 ID			New P	aram. 2	ID				Ch	anged Param.	2?
Old Value 1		30		New V	alue 1			15 kts.			Char	iged Value1?	Υ
Old Value 2				New V	alue 2						Char	iged Value 2?	
Old Operator 1	>=	New Opt. 1	>=	Changed Opt. 1	1? N	Old Op	ot. 2		New Opt	t. 2	CI	anged Opt. 2?	
Old Condensed Impact		Gus	it	New 0	Condens t	ed		Wind	Gust		Char Impa	nged Condense ct?	ed Y
Old Full Impact	Surface	wind gust >	= 30 kts e	xceeds the syst	em limi	ts to sta	rt en	gines.					
New Full Impact	Surface	wind gust >	= 15 kts e:	xceeds the syst	em limi	ts to sta	rt en	gines.					
Old Source (1:	st Cavalr	y Division, 19	992);								Changed	Full Impact?	Y
New Source/ Reason for Delete	VI 55-1520)-248-10, Para	a 5-7b, Ju	n 1997									
Comments												- 1	
Changed Source?	Υ			Are There Any	(2) Optio	ons?	N				Any Chang	ge to Record?	Υ
ID # 174 Syste	m Name			OH-58D				Rule 1#	76	Rule	2#	Delete Rule	? N
Old Color 1	New	Color 2								Chang	ed Color?	Y	
Parameter 1 #	12 Old	Param. 1 ID	icin	gintensity	New P	aram. 1	ID[lcii	ng Inten	sity	Ch	anged Param.	1? N
Parameter 2 #	Old	Param. 2 ID			New P	aram. 2	ID_				Ch	anged Param.	2?
Old Value 1		0		New V	alue 1			None			Chai	nged Value1?	Y
Old Value 2				New V	alue 2						Chai	nged Value 2?	
Old Operator 1	>	New Opt. 1	>	Changed Opt.	1? N	Old Op	ot. 2		New Op	t. 2	C	nanged Opt. 2?	'
Old Condensed Impact		Icing A	Aloft	New 0	Condens t	ed		lcing	Aloft		Chai Impa	nged Condense ct?	N
Old Full Impact	Upper-I	evel icing int	ensity > n	ione may degra	de perf	ormance).						
New Full Impact	Intentio	nal flight into	any kno	wn icing condit	ions is	prohibit	ed if 1	flying bet	ween (~	-lcing	base) & (~	cing tops) fee	t
Old Course	-4 0	. Division 4	000).							·	Change	Full Impact?	Υ
-		y Division, 1)-248-10, Par		n 1997									
Comments													
Changed Source?	Y			Are There Any	(2) Option	ons?	N			*	Any Chan	ge to Record?	Υ

IWEDA System Rules OH-58D ID# 175 System Name Rule 1# Delete Rule? 77 Rule 2# Old Color **New Color** Changed Color? Parameter 1 # 12 Old Param. 1 ID icingintensity New Param. 1 ID Changed Param. 1? New Param. 2 ID Parameter 2 # Old Param. 2 ID Changed Param. 2? Old Value 1 1 New Value 1 Changed Value 1? Old Value 2 New Value 2 Changed Value 2? Changed Opt. 1? Old Opt. 2 New Opt. 2 Changed Opt. 2? Old Operator 1 New Opt. 1 Old Condensed Icina Aloft **New Condensed** Changed Condensed **Impact** Impact Impact? Old Full Impact IAW AR95-1, aircraft cannot fly into areas of icing intensity > light. New Full Impact Changed Full Impact? Old Source (1st Cavalry Division, 1992); New Source/ Delete Rule: Not necessary. Covered in Sys ID# 174 Reason for Delete Comments Υ Y N Any Change to Record? Changed Source? Are There Any (2) Options? ID# 176 System Name OH-58D Rule 1# 79 Rule 2# Delete Rule? N N Changed Color? Old Color **New Color** Parameter 1 # 24 Old Param, 1 ID turbulenceintensity New Param. 1 ID **Turbulence Intensity** Changed Param. 1? Changed Param. 2? Parameter 2 # Old Param. 2 ID New Param. 2 ID New Value 1 Moderate Changed Value1? Old Value 1 1 Changed Value 2? Old Value 2 New Value 2 Changed Opt. 1? Y Old Opt. 2 Changed Opt. 2? New Opt. 2 Old Operator 1 New Opt. 1 Turbulence Aloft **Turbulence Aloft** Changed Condensed Old Condensed **New Condensed** N Impact Impact? Impact Old Full Impact Upper-level turbulence > light intensity degrades flying safety. Upper-level turbulence <= moderate intensity degrades flying safety if flying between (~turbulence base) & New Full Impact

Υ

(1st Cavalry Division, 1992);

TM 55-1520-248-10, Para 5-14, Jun 1997

Old Source

Reason for Delete Comments

New Source/

Changed Source?

N

(~turbulence tops) in feet AGL, if report is for helicopters or light aircraft <= 12500 lbs.

Are There Any (2) Options?

Changed Full Impact?

Any Change to Record?

Υ

Y

ID # 177 System Name	OH-58D	Rule 1 # 80 R	ule 2 # Delete Rule? N
Old Color 2 New Color 2		Cha	anged Color? N
Parameter 1 # 24 Old Param. 1 ID turbul	enceintensity New Pa	aram. 1 ID Turbulence Inten	sity Changed Param. 1? N
Parameter 2 # Old Param. 2 ID	New Pa	aram. 2 ID	Changed Param. 2?
Old Value 1 2	New Value 1	Moderate	Changed Value1? Y
Old Value 2	New Value 2		Changed Value 2?
Old Operator 1 > New Opt. 1 >	Changed Opt. 1? N	Old Opt. 2 New Opt. 2	Changed Opt. 2?
Old Condensed Turbulence Aloft Impact	New Condense Impact	Severe Turbulence Alc	oft Changed Condensed Y Impact?
Old Full Impact Upper-level turbulence > mod	derate intensity exceeds	the operating limits.	
		the operating limits if flying betons or light aircraft <= 12500 lbs.	ween (~turbulence base) &
			Changed Full Impact?
Old Source (1st Cavalry Division, 1992);			
New Source/ Reason for Delete TM 55-1520-248-10, Para 5-14, Ju	un 1997		
Comments			
Changed Source? Y	Are There Any (2) Optio	ns? N	Any Change to Record? Y
Onlanged Course:	Ale Meleviny (2) opile	1101	7thy Ollango to Nosoia.
ID # 178 System Name	OH-58D	Rule 1 # 85 R	ule 2 # Delete Rule? N
ID # 178 System Name Old Color 1 New Color 1	OH-58D		ule 2 # Delete Rule? N anged Color? N
Old Color 1 New Color 1			anged Color? N
Old Color 1 New Color 1	surealtitude New P	Cha	anged Color? N
Old Color 1 New Color 1 Parameter 1 # 13 Old Param. 1 ID pres	surealtitude New P	Charam. 1 ID Pressure Altitud	anged Color? N de Changed Param. 1? N
Old Color 1 New Color 1 Parameter 1 # 13 Old Param. 1 ID pres Parameter 2 # Old Param. 2 ID	surealtitude New P	Charam. 1 ID Pressure Altitudaram. 2 ID	anged Color? N de Changed Param. 1? N Changed Param. 2?
Old Color 1 New Color 1 Parameter 1 # 13 Old Param. 1 ID pres Parameter 2 # Old Param. 2 ID Old Value 1 5000	surealtitude New Pa New Pa New Value 1	Charam. 1 ID Pressure Altitudaram. 2 ID 5000 ft.	changed Value 2?
Old Color 1 New Color 1 Parameter 1 # 13 Old Param. 1 ID pres Parameter 2 # Old Param. 2 ID Old Value 1 5000 Old Value 2	surealtitude New Pa New Pa New Value 1 New Value 2	Charam. 1 ID Pressure Altituderaram. 2 ID 5000 ft. Old Opt. 2 New Opt. 2	changed Color? N Changed Param. 1? N Changed Param. 2? Changed Value1? N Changed Value 2? Changed Opt. 2?
Old Color 1 New Color 1 Parameter 1 # 13 Old Param. 1 ID pres Parameter 2 # Old Param. 2 ID Old Value 1 5000 Old Value 2 Old Operator 1 > New Opt. 1 > Old Condensed Impact	surealtitude New Paragram New Value 1 New Value 2 Changed Opt. 1? New Condense Impact	Charam. 1 ID Pressure Altitude aram. 2 ID 5000 ft. Old Opt. 2 New Opt. 2	changed Color? N Changed Param. 1? Changed Param. 2? Changed Value1? Changed Value 2? Changed Opt. 2? Changed Condensed Impact?
Old Color 1 New Color 1 Parameter 1 # 13 Old Param. 1 ID pres Parameter 2 # Old Param. 2 ID Old Value 1 5000 Old Value 2 Old Operator 1 > New Opt. 1 > Old Condensed Impact Old Full Impact Operating performance of ro	surealtitude New Palue 1 New Value 2 Changed Opt. 1? New Condense Impact tary wing aircraft is decre	Charam. 1 ID Pressure Altitudaram. 2 ID 5000 ft. Old Opt. 2 New Opt. 2 ed High Pressure Altitud	anged Color? N de Changed Param. 1? N Changed Param. 2? Changed Value1? N Changed Value 2? Changed Opt. 2? e Changed Condensed Y Impact? re altitudes > 5000 ft.
Old Color 1 New Color 1 Parameter 1 # 13 Old Param. 1 ID pres Parameter 2 # Old Param. 2 ID Old Value 1 5000 Old Value 2 Old Operator 1 > New Opt. 1 > Old Condensed Impact Old Full Impact Operating performance of ro New Full Impact Operating performance of ro	surealtitude New Palue 1 New Value 2 Changed Opt. 1? New Condense Impact tary wing aircraft is decre	Charam. 1 ID Pressure Altituderam. 2 ID 5000 ft. Old Opt. 2 New Opt. 2 ed High Pressure Altituderased when operating at pressure	anged Color? N de Changed Param. 1? N Changed Param. 2? Changed Value1? N Changed Value 2? Changed Opt. 2? e Changed Condensed Y Impact? re altitudes > 5000 ft.
Old Color 1 New Color 1 Parameter 1 # 13 Old Param. 1 ID pres Parameter 2 # Old Param. 2 ID Old Value 1 5000 Old Value 2	surealtitude New Paragram New Value 1 New Value 2 Changed Opt. 1? New Condense Impact tary wing aircraft is decretary wing	Charam. 1 ID Pressure Altituderam. 2 ID 5000 ft. Old Opt. 2 New Opt. 2 ed High Pressure Altituderased when operating at pressure	changed Color? N Changed Param. 1? N Changed Param. 2? Changed Value 1? Changed Value 2? Changed Opt. 2? Changed Condensed Impact? re altitudes > 5000 ft.
Old Color 1 New Color 1 Parameter 1 # 13 Old Param. 1 ID pres Parameter 2 # Old Param. 2 ID Old Value 1 5000 Old Value 2 Old Operator 1 > New Opt. 1 > Old Condensed Impact Old Full Impact Operating performance of ro New Full Impact Operating performance of ro	surealtitude New Paragram New Value 1 New Value 2 Changed Opt. 1? New Condense Impact tary wing aircraft is decretary wing	Charam. 1 ID Pressure Altituderam. 2 ID 5000 ft. Old Opt. 2 New Opt. 2 ed High Pressure Altituderased when operating at pressure	changed Color? N Changed Param. 1? N Changed Param. 2? Changed Value 1? Changed Value 2? Changed Opt. 2? Changed Condensed Impact? re altitudes > 5000 ft.
Old Color 1 New Color 1 Parameter 1 # 13 Old Param. 1 ID pres Parameter 2 # Old Param. 2 ID Old Value 1 5000 Old Value 2 Old Operator 1 > New Opt. 1 > Old Condensed Impact Old Full Impact Operating performance of ro New Full Impact Operating performance of ro Old Source (1st Cavalry Division, 1992); New Source/ Reason for FM 1-230, Para 5-8, Sep 1982	surealtitude New Paragram New Value 1 New Value 2 Changed Opt. 1? New Condense Impact tary wing aircraft is decretary wing	Charam. 1 ID Pressure Altituderam. 2 ID 5000 ft. Old Opt. 2 New Opt. 2 ed High Pressure Altituderased when operating at pressure	changed Color? N Changed Param. 1? N Changed Param. 2? Changed Value 1? Changed Value 2? Changed Opt. 2? Changed Condensed Impact? re altitudes > 5000 ft.

			IWED	A Syste	m Rui	es				
ID # 179 Syste	m Name	OH-	-58D			Rule 1 #	86 Ru	ıle 2 #	Delete Rule	? Y
Old Color 2	New Color						Cha	nged Color	?	
Parameter 1 #	13 Old Param. 1 ID	pressurealtit	tude	New Para	m. 1 ID			(Changed Param.	1?
Parameter 2 #	Old Param. 2 ID			New Para	m. 2 ID			(Changed Param.	2?
Old Value 1	10000		New Va	lue 1	-			Ch	anged Value1?	
Old Value 2			New Va	lue 2				Ch	anged Value 2?	
Old Operator 1	> New Opt. 1	Chang	ed Opt. 1	? 0	ld Opt. 2	N	ew Opt. 2		Changed Opt. 23	?
Old Condensed Impact	Pressure	Altitude	New Co	ondensed				1	anged Condense pact?	ed
Old Full Impact	Operating performation 10,000 ft. Actions me							ng at press	ure altitudes >	
New Full Impact										
								Change	ed Full Impact?	
<u></u>	st Cavalry Division, 1									
New Source/ Reason for Delete	elete Rule: This is too	restrictive as a r	ed condit	tion, pilot	has optic	ons. It is inc	luded in >	5000 ft as	an amber cond	ition.
Comments										
Changed Source?	Y	Are Th	ere Any (2	2) Options	N]		Any Cha	nge to Record?	Y
	m Name	OV	/-1			Rule 1 #		le 2 #	Delete Rule	? Y
Old Color 1	New Color						Chai	nged Color		(
	18 Old Param. 1 ID	snowdept		New Para	<u></u>				Changed Param.	
Parameter 2 #	Old Param. 2 ID			New Para	n. 2 ID				hanged Param.	2?
Old Value 1	3		New Va						anged Value1?	
Old Value 2			New Val						anged Value 2?	
	>= New Opt. 1		7	? [0	d Opt. 2	N	ew Opt. 2		Changed Opt. 2?	
Old Condensed Impact	Snow C	over	Impact	ondensed					anged Condense pact?	ed
Old Full Impact	Snow depth >= 3 inc	hes on the runwa	ay degrad	les aircraf	braking	•				
New Full Impact										
								Change	ed Full Impact?	
Old Source (1s	st Cavalry Division, 1	992);								
New Source/ Reason for Delete	lete Rule: No longer	in inventory								
Comments							-			
Changed Source?	Υ	Are Th	ere Any (2	2) Options?	N]		Any Cha	nge to Record?	Y

		IVVCI	JA System	Nules		
ID # 181 System	m Name	OV-1		Rul	e 1 # 29 Ru	le 2 # Delete Rule? Y
Old Color 2	New Color				Chai	nged Color?
Parameter 1 #	18 Old Param. 1 ID	snowdepth	New Param.	1 ID		Changed Param. 1?
Parameter 2 #	Old Param. 2 ID		New Param.	2 ID		Changed Param. 2?
Old Value 1	6	New V	/alue 1			Changed Value1?
Old Value 2		New V	/alue 2			Changed Value 2?
Old Operator 1	>= New Opt. 1	Changed Opt.	1? Old	Opt. 2	New Opt. 2	Changed Opt. 2?
Old Condensed Impact	Snow Cover	New Impa	Condensed ct			Changed Condensed Impact?
Old Full Impact	Snow depth >= 6 inches of	on the runway signi	ficantly degra	des aircraft	braking.	
New Full Impact						
						Changed Full Impact?
Old Source (1s	st Cavalry Division, 1992);					
New Source/ Reason for Delete	elete Rule: No longer in inv	ventory				
Comments						
		A Th A	(O) O-4:O			A 01 1- D10 V
Changed Source?	Y	Are There Any	(2) Options?	N		Any Change to Record?
•	· · · · · · · · · · · · · · · · · · ·					
ID# 182 System	m Name	OV-1		Rul	e 1 # 32 Ru	le 2 # Delete Rule? Y
Old Color 2	New Color				Chai	nged Color?
Parameter 1 #	23 Old Param. 1 ID	thunderstorm	New Param.	1 ID		Changed Param. 1?
Parameter 2 #	Old Param. 2 ID		New Param.	2 ID		Changed Param. 2?
Old Value 1	1	New V	/alue 1	ye	es	Changed Value1?
Old Value 2		New \	/alue 2			Changed Value 2?
Old Operator 1	= New Opt. 1 =	Changed Opt.	1? Old	Opt. 2	New Opt. 2	Changed Opt. 2?
Old Condensed Impact	Thunderstorn	n New Impa	Condensed ct			Changed Condensed Impact?
Old Full Impact	Any occurrence of thunde	erstorms curtail air	craft and refue	ling operat	ions due to safel	y considerations.
New Full Impact						
How I all Impact						
Now : all impass						
new an impact						Changed Full Impact?
	st Cavalry Division, 1992);					Changed Full Impact?
Old Source (1s	st Cavalry Division, 1992); elete Rule: No longer in in	ventory				Changed Full Impact?
Old Source New Source/ Reason for		ventory				Changed Full Impact?

IWEDA System Rules ID # 183 OV-1 Delete Rule? System Name Rule 1# 56 Rule 2# **New Color** Changed Color? Old Color 2 New Param. 1 ID Parameter 1 # 10 Old Param. 1 ID freezingrain Changed Param. 1? Parameter 2 # New Param. 2 ID Old Param. 2 ID Changed Param. 2? Old Value 1 0 New Value 1 Changed Value1? New Value 2 Changed Value 2? Old Value 2 Old Operator 1 New Opt. 1 Changed Opt. 1? Old Opt. 2 New Opt. 2 Changed Opt. 2? Old Condensed Freezing Rain **New Condensed** Changed Condensed Impact Impact Impact? Old Full Impact Any occurrence of freezing rain delays mission launch because exposed aircraft must be deiced. New Full Impact Changed Full Impact? (1st Cavalry Division, 1992); Old Source New Source/ Delete Rule: No longer in inventory Reason for Delete Comments Υ Changed Source? Y Are There Any (2) Options? N Any Change to Record? OV-1 ID# 184 System Name Rule 1# 77 Rule 2# Delete Rule? Changed Color? Old Color **New Color** Parameter 1 # 12 Old Param. 1 ID icingintensity New Param. 1 ID Changed Param. 1? New Param. 2 ID Changed Param. 2? Parameter 2 # Old Param. 2 ID Trace Changed Value1? Old Value 1 1 New Value 1 Old Value 2 New Value 2 Changed Value 2? Changed Opt. 1? Old Opt. 2 New Opt. 2 Changed Opt. 2? Old Operator 1 New Opt. 1 Changed Condensed **Old Condensed** Icing Aloft **New Condensed** Impact? Impact Impact Old Full Impact Upper-level icing intensity > light may degrade performance. New Full Impact Changed Full Impact? Old Source (1st Cavalry Division, 1992); New Source/ Delete Rule: No longer in inventory Reason for Delete Comments Υ Υ N Are There Any (2) Options? Any Change to Record? Changed Source?

				IWE	DA Sy	stem Ru	ıles					
ID# 185 Sy	stem Name			OV-1			Rule 1	# 78	Rule	2#	Delete Rule	? Y
Old Color	2 New	Color							Change	ed Color?		
Parameter 1 #	12 Old	Param. 1 ID	icing	gintensity	New P	aram. 1 ID				Ch	anged Param.	1?
Parameter 2 #	Old	Param. 2 ID			New P	aram. 2 ID				Ch	anged Param.	2?
Old Value 1		2		New V	/alue 1					Char	iged Value1?	
Old Value 2				New V	/alue 2					Char	iged Value 2?	
Old Operator 1	> 1	New Opt. 1		Changed Opt.	1?	Old Opt.	2	New Op	ot. 2	CI	anged Opt. 2?	· []
Old Condense Impact	d	lcing /	Aloft	New Impa	Condens ct	ed				Char Impa	nged Condense ct?	ed
Old Full Impact	IAW AR	95-1, aircraft	cannot fl	y into areas of	icing int	ensity > m	oderate.					
New Full Impac	t											
Old Source	(1st Cavalr	y Division, 1	992):				\neg			Changed	Full Impact?	
New Source/ Reason for Delete		: No longer		ory								
Comments												
Changed Source	æ? Y			Are There Any	(2) Optio	ons?	N			Any Chang	e to Record?	Y
ID # 186 Sy	stem Name			OV-1			Rule 1	# 79	Rule	2#	Delete Rule	? Y
Old Color	1 New	Color							Change	ed Color?		
Parameter 1 #	24 Old	Param. 1 ID	turbule	nceintensity	New P	aram. 1 ID				Ch	anged Param.	1?
Parameter 2 #	Old	Param. 2 ID			New P	aram. 2 ID				Ch	anged Param.	2?
Old Value 1		1		New V	/alue 1					Char	ged Value1?	
Old Value 2				New V	/alue 2					Char	iged Value 2?	
Old Operator 1	>	New Opt. 1		Changed Opt.	1?	Old Opt.	2	New Op	ot. 2	Cl	nanged Opt. 2?	· 🔲
Old Condense Impact	d	Turbulen	ce Aloft	New Impa	Condens ct	ed				Char Impa	nged Condense ct?	ed
Old Full Impact	Upper-l	evel turbuler	nce > light	intensity degr	ades flyi	ing safety.						
New Full Impac	rt .											
Old Source	(1st Cavalr	y Division, 1	992);				7			Changed	Full Impact?	
New Source/ Reason for Delete	Delete Rul	e: No longe	in invent	ory								
Comments												
Changed Source	ce? Y			Are There Any	(2) Option	ons?	N			Any Chang	ge to Record?	Y

				IWE	DA Sy	stem Ru	ıles					
ID # 187 Sys	stem Name			OV-1			Rule 1#	80	Rule 2 #		Delete Rule	? Y
Old Color :	New	Color							Changed	Color?		
Parameter 1 #	24 Old	Param. 1 ID	turbule	nceintensity	New P	aram. 1 ID				Ch	anged Param.	1?
Parameter 2 #	Old	Param. 2 ID			New P	aram. 2 ID				Ch	anged Param. 2	2?
Old Value 1		2		New	Value 1					Char	nged Value1?	
Old Value 2				New	Value 2					Char	nged Value 2?	
Old Operator 1	> 1	New Opt. 1		Changed Opt	. 1?	Old Opt.	2 1	New Op	t. 2	CI	nanged Opt. 2?	
Old Condensed Impact	i	Turbulenc	e Aloft	New Impa	Condens	ed				Char Impa	nged Condense act?	:d
Old Full Impact	IAW AR	95-1, aircraft	will not b	e flown into k	nown or	forecast ar	eas of seve	re turb	ulence.			
New Full Impact												
Old Source	/1et Cavaln	y Division, 19	1921.				7		C	hanged	Full Impact?	
l.	·	: No longer		ory								
Comments												
Changed Source	e? Y			Are There Any	y (2) Optic	ons?	N		An	/ Chang	ge to Record?	Υ
	tem Name			PPS-5B			Rule 1 #	7	Rule 2#		Delete Rule?	? N
Old Color 1		Color 1			¬				Changed		N	
Parameter 1 #		Param. 1 ID	tem	perature	=	aram. 1 ID	Те	mperat	ure		anged Param. 1	
Parameter 2 #	Old	Param. 2 ID				aram. 2 ID					anged Param. 2	
Old Value 1		-25			Value 1		- 25 F				iged Value1?	N
Old Value 2					Value 2						iged Value 2?	
Old Operator 1	<= N	lew Opt. 1	<=	Changed Opt.	1? N	Old Opt. 2	21	New Op	t. 2		nanged Opt. 2?	
Old Condensed Impact		Cold	l 	New Impa	Condense act	ed	Extrem	ne Cold		Char Impa	iged Condense ct?	d Y
Old Full Impact	Tempera	tures <= -25	F make o	perating the F	PS-5B di	ifficult with	out a shelte	er.				
New Full Impact	Tempera	itures <= -25	F make o	perating the F	PS-5B di	ifficult with	nout a shelte	er.				
Old Source	(1st Cavalry	/ Division, 19	92);						С	hanged	Full Impact?	N
New Source/ Reason for Delete	TM 11-5840	-298-12, Para	3-28, Jui	า 1986								
Comments												
Changed Source	? Y			Are There Any	y (2) Optic	ns?	N		An	/ Chang	e to Record?	Y

		IV	/EDA Systei	n Rule	S				
ID # 189 System	n Name	PPS-5B			Rule 1 # 12	Rule 2 #	Delete Rule	? N	
Old Color 2	New Color 2				C	Changed Co	lor? N		
Parameter 1 #	Old Param. 1 ID	temperature	New Param	. 1 ID	Temperatu	re	Changed Param. 1? N		
Parameter 2 #	Old Param. 2 ID		New Param	. 2 ID			Changed Param.	2?	
Old Value 1	-40	Ne	w Value 1		- 40 F		Changed Value1? N		
Old Value 2		Ne	w Value 2				Changed Value 2?		
Old Operator 1	<= New Opt. 1	<= Changed C	opt. 1? N Ok	Opt. 2	New Opt.	2	Changed Opt. 2?		
Old Condensed Impact	Co		ew Condensed		Extreme Cold		Changed Condensed Y Impact?		
Old Full Impact	Temperatures <= -4	0 F exceed the operat	ional limits.						
New Full Impact	Extreme Cold Temp	eratures <= -40F can	snap cable lines	, decreas	se battery life, car	use ducting			
						Cha	nged Full Impact?	Υ	
Old Source (1s	t Cavalry Division, 1	992);							
New Source/ Reason for Delete	90-22, Chapter 1, So	ection "Adverse Wea	her:, Para "Rada	r System	ns", Jan 1991				
Comments					-			=	
Changed Source?	Y	Are There	Any (2) Options?	N		Any C	hange to Record?	Υ	
	m Name	PPS-5B			Rule 1 # 53	Rule 2 #	Delete Rule	e? N	
Old Color 1	New Color 1			_		Changed Co	_		
Parameter 1 #	Old Param. 1 ID	rain	New Param	. 1 ID	Rain		Changed Param.		
Parameter 2 #	Old Param. 2 ID		New Param	. 2 ID			Changed Param. 2?		
Old Value 1	Ne	ew Value 1		None		Changed Value1? Y			
Old Value 2			ew Value 2				Changed Value 2?		
Old Operator 1	> New Opt. 1	> Changed (Opt. 1? N Ok	Opt. 2	New Opt.	2	Changed Opt. 2	?	
Old Condensed Impact	Precipi		ew Condensed npact		Rain		Changed Condens Impact?	ed Y	
Old Full Impact		rainfall causes backg letection of small targ			s target identifica	tion difficu	t. However, heay		
New Full Impact		rainfall causes backg letection of small targ			s target identifica	tion difficu	t. However, heav	у	
•						Cha	nged Full Impact?	N	
Old Source (1s	at Cavalry Division, 1	1992);				Cila	nged i un impact?		
	1 11-5840-298-12, Pa								
Comments									
Changed Source?	Y	Are There	Any (2) Options?	N		Any C	Change to Record?	Υ	

			IWED	A Sy	stem	Rule	es							
ID # 191 System	m Name	PPS	PPS-5B					58	Rule 2 #		Delete Rule?	N		
Old Color 1	New Color 1							C	Changed C	nanged Color? N				
Parameter 1 #	17 Old Param. 1 ID	snow		New P	aram. 1	ID		Snow		Cha	Changed Param. 1? N			
Parameter 2 #			New P	aram. 2	ID				Cha	Changed Param. 2?				
Old Value 1		New Va	alue 1			Heavy			Changed Value1? Y					
Old Value 2			New Va						Chan	Changed Value 2?				
Old Operator 1	= New Opt. 1	= Chang	ed Opt. 1	? N	Old O	pt. 2	New Opt. 2			Ch	Changed Opt. 2?			
Old Condensed Impact					New Condensed Impact					Chang	ged Condensect?	d Y		
Old Full Impact	Heavy snowfall make	es the detections	of smal	target	s (peopl	le) dif	ficult.	44.		- 41	- 1 Mary 11 - 1 Ma			
New Full Impact Heavy snowfall makes the detection of small targets (people) difficult.														
Old Source (1s	t Cavalar Division 49	102).							Ch	anged	Full Impact?	N		
<u></u>	t Cavalry Division, 19 I 90-22, Chapter 1, Se 91		Veather"	, Para "	Radar S	Syster	ms", and A	ppendi	x D, Para	"GSR	Systems", Jar	1		
Comments														
Changed Source?	Y	Are Th	ere Any (2) Optic	ons?	N			Any	Change	e to Record?	Y		
ID# 192 System	n Name	PPS	-5B				Rule 1 #	64	Rule 2#		Delete Rule?	Y		
Old Color 1	New Color							С	hanged C	olor?				
Parameter 1 #	Old Param. 1 ID	surfacewinds	peed	New P	aram. 1	ID				Cha	nged Param. 1	?		
Parameter 2 #	Old Param. 2 ID			New P	aram. 2	ID				Cha	nged Param. 2	.?		
Old Value 1	15		New Va	lue 1						Chang	ged Value1?			
Old Value 2			New Va	lue 2						Chang	ged Value 2?			
Old Operator 1	> New Opt. 1	Change	ed Opt. 1	?	Old Op	ot. 2	No.	ew Opt.	2	Cha	anged Opt. 2?			
Old Condensed Impact	Surface '	Wind	New C Impact	ondens	ed					Chang Impac	ged Condensed t?	t		
Old Full Impact	Surface wind speed	> 15 kts and heav	y vegeta	ation m	akes tai	rget d	letection di	fficult	due to hea	avy bac	kground nois	e.		
New Full Impact														
Old Course	A Consolar Division 40	102).							Ch	anged I	Full Impact?			
New Source/ De	t Cavalry Division, 19 lete Rule: TM11-5840 nditions.		7, Opera	tor's Ma	anual m	akes	no mentio	n of this	s wind im	pact in	unusual			
Comments		1.870												
Changed Source?	Υ	Are The	ere Any (2) Optio	ns?	N			Any	Change	e to Record?	Y		

					IWEL	DA Sy	stem	Rule	es						
ID # 193 Syste	em Name			PPS-	5B				Rule 1#	65	Rule	2#		Delete Ru	le? Y
Old Color 2	New	Color									Chang	ged Co	lor?		
Parameter 1 #	21 Old	Param. 1 ID	surfac	ewindsp	eed	New P	aram. 1	I ID					Chai	nged Param	1. 1? 🔃
Parameter 2 #	# Old Param. 2 ID					New P	aram. 2	2 ID					Chai	nged Param	1. 2?
Old Value 1	lue 1 40					alue 1							Changed Value1?		
Old Value 2	Old Value 2 New Value 2												Chang	ged Value 2	?
Old Operator 1	>= 1	New Opt. 1		Change	d Opt.	1?	Old C	pt. 2		New Op	t. 2		Cha	anged Opt. 2	2?
Old Condensed Impact	Wind		New C	Condens t			jed Conden t?	sed							
Old Full Impact		wind speed ound noise.	>= 40 kts	and hea	vy veg	etation	makes	target	detection	very d	lifficul	t due t	o exc	essive	
New Full Impact															
Old Source (1	lst Cavalr	y Division, 19	992);									Cha	nged F	Full Impact?	
New Source/		: TM11-5840		Jun 1967	, Opera	ator's M	anual n	nakes	no menti	on of ti	his wir	nd imp	act in	unusual	
Comments															
Changed Source	? Y			Are The	re Any	(2) Optio	ons?	N				Any C	change	to Record?	Y
ID # 194 Syste	em Name			RC-	12				Rule 1#	32	Ruie	2#		Delete Ru	le? N
Old Color 1		Color 1				-					Chang	ged Co		N	
Parameter 1 #	23 Old	Param. 1 ID	thur	nderstorr	n	New F	aram. 1	I ID	Th	underst	torm		Chai	nged Param	ı. 1? <u>N</u>
Parameter 2 #	Old	Param. 2 ID				New F	aram. 2	2 ID					_3	nged Param	
Old Value 1 1					New Value 1								Changed Value1? Y		
Old Value 2					New V								_ ~	ged Value 2	
Old Operator 1	=	New Opt. 1	=	Change		1? N	_	Opt. 2		New Op	ot. 2		Cha	anged Opt. 2	2?
Old Condensed Impact		Thunder	storm		New (Condens t	ed		Thund	erstorn	n		Chang Impac	ged Conden t?	sed N
Old Full Impact	Any occ	currence of the	nundersto	orms ma	/ cause	e delay	of miss	ion la	unch and	limit a	reas o	f opera	ation.		
New Full Impact	Any occ	currence of t	nundersto	orms may	/ cause	e delay	of miss	ion la	unch and	limit a	reas o	f opera	ation.		
												Cha	nged I	Full Impact?	N
		y Division, 1													
New Source/ Reason for Delete	'M 55-151	0-218-10, Par	a 8-63, Fe	b 1994											
Comments															
Changed Source	? Y			Are The	re Any	(2) Opti	ons?	N]		· ·	Any C	Change	e to Record	? Y

IWEDA System Rules RC-12 33 Delete Rule? N ID# 195 System Name Rule 1# Rule 2# Old Color **New Color** Changed Color? N Parameter 1 # 11 Old Param. 1 ID hail New Param. 1 ID Hail Changed Param. 1? N Parameter 2 # Old Param. 2 ID New Param, 2 ID Changed Param. 2? Old Value 1 New Value 1 Changed Value1? yes New Value 2 Old Value 2 Changed Value 2? Changed Opt. 1? Old Operator 1 New Opt. 1 N Old Opt. 2 New Opt. 2 Changed Opt. 2? **Old Condensed** Hail **New Condensed** Hail Changed Condensed Impact Impact Impact? Old Full Impact Any occurrence of hail may cause delay of mission launch and limit areas of operation. Hail will damage aircraft and sensors and may force mission delays or deviations. Any occurrence of hail may cause delay of mission launch and limit areas of operation. Hail will damage aircraft New Full Impact and sensors and may force mission delays or deviations. N Changed Full Impact? (1st Cavalry Division, 1992); Old Source New Source/ FM 1-230, Para 12-7, Sep 1982 Reason for Delete Comments N Y Y Are There Any (2) Options? Any Change to Record? Changed Source? Delete Rule? N **RC-12** Rule 1# 56 Rule 2# ID# 196 System Name **Changed Color?** N Old Color 2 New Color 2 freezingrain New Param. 1 ID Freezing Rain Changed Param. 1? 10 Old Param. 1 ID Parameter 1 # New Param. 2 ID Changed Param. 2? Parameter 2 # Old Param. 2 ID New Value 1 Moderate Changed Value1? Old Value 1 0 New Value 2 Changed Value 2? Old Value 2 Changed Opt. 1? N Old Opt. 2 Changed Opt. 2? Old Operator 1 New Opt. 1 New Opt. 2 Freezing Rain Heavy Freezing Rain Changed Condensed Old Condensed New Condensed Impact Impact Freezing rain may delay mission launch and recovery due to icy runway conditions and deicing of aircraft. Old Full Impact Freezing rain > moderate creates conditions unsafe for aircraft operations. Mission may be canceled or delayed due New Full Impact to icing. Υ Changed Full Impact? (1st Cavalry Division, 1992); Old Source TM 55-1510-218-10, Para 8-64, Feb 1994 New Source/ Reason for Delete TM did not mention intensity. Our best estimate. Comments Υ Are There Any (2) Options? N Any Change to Record? Changed Source? Υ

IWEDA System Rules RC-12 Rule 1# 58 Rule 2# Delete Rule? ID# 197 System Name Changed Color? N Old Color 1 New Color Old Param. 1 ID New Param, 1 ID Changed Param. 1? N Parameter 1 # snow Snow Changed Param. 2? New Param. 2 ID Parameter 2 # Old Param. 2 ID Old Value 1 3 New Value 1 Heavy Changed Value1? Changed Value 2? Old Value 2 New Value 2 Old Opt. 2 Changed Opt. 2? Changed Opt. 1? N Old Operator 1 New Opt. 1 New Opt. 2 Changed Condensed Y **New Condensed** Old Condensed Snow **Heavy Snow** Impact Impact Impact? Heavy snow delays mission launch and recovery due to low ceilings and visibilities. Old Full Impact Heavy snow delays mission launch and recovery due to low ceilings and visibilities. New Full Impact N Changed Full Impact? (1st Cavalry Division, 1992); **Old Source** AR 95-1, Para 5-2(d)5, May 1990 New Source/ Reason for Delete Comments Y N Υ **Changed Source?** Are There Any (2) Options? Any Change to Record? **RC-12** 66 Rule 2# Delete Rule? N ID# 198 Rule 1# System Name Changed Color? N Old Color **New Color** Surface Wind Speed Changed Param. 1? surfacewindspeed New Param. 1 ID 21 Old Param. 1 ID Parameter 1 # Parameter 2 # Old Param. 2 ID New Param. 2 ID Changed Param. 2? 25 kts. N Old Value 1 25 New Value 1 Changed Value1? Changed Value 2? New Value 2 Old Value 2 Changed Opt. 1? Old Opt. 2 New Opt. 2 Changed Opt. 2? Old Operator 1 New Opt. 1 Surface Wind **New Condensed** Surface Wind Changed Condensed Old Condensed Impact Impact? Impact Surface winds > 25 kts degrade aircraft ability to take off and land safely. Old Full Impact Surface winds > 25 kts may degrade aircraft ability to take off and land safely. New Full Impact Changed Full Impact? Υ **Old Source** (1st Cavalry Division, 1992); TM 55-1510-218-10, Para 8-33, Dec 1994 New Source/ Interview with Mr. John Benham, Instructor Pilot C12, Chief Aviation Applied Technology Division, Felker Army Airfield, Reason for Delete Ft. Eustis, VA, Aug 1997 Comments Υ Υ Are There Any (2) Options? N Any Change to Record? Changed Source?

		IWED	A System I	Rules		
ID # 199 Syste	m Name	RC-12		Rule 1 #	68 Rule 2 #	Delete Rule? Y
Old Color 2	New Color				Changed	Color?
Parameter 1 #	21 Old Param. 1 ID surfa	cewindspeed	New Param. 1	D		Changed Param. 1?
Parameter 2 #	Old Param. 2 ID		New Param. 2	D		Changed Param. 2?
Old Value 1	45	New Val	ue 1			Changed Value1?
Old Value 2		New Val	ue 2			Changed Value 2?
Old Operator 1	> New Opt. 1	Changed Opt. 1?	Old Op	t. 2 Nev	v Opt. 2	Changed Opt. 2?
Old Condensed Impact	Surface Wind	New Co Impact	ndensed			Changed Condensed Impact?
Old Full Impact	Surface winds > 45 kts excee	ed aircraft ability to	take off and l	and safely.		

New Full Impact						hanged Full Impact?
Old Source (1s	st Cavalry Division, 1992);				O	nanged Full Impacts
	lete Rule: No mention in TM	55-1510-218-10, Fe	b 1994			
Comments						
Changed Source?	[Y]	Are There Any (2	Options:	N	Ally	Change to Record?
ID # 200 System	m Name	RC-12		Rule 1 #	78 Rule 2 #	Delete Rule? N
Old Color 2	New Color 1				Changed (Color? Y
Parameter 1 #	12 Old Param. 1 ID icir	ngintensity	New Param. 1 I	D	ntensity	Changed Param. 1? N
Parameter 2 #	Old Param. 2 ID		New Param. 2 I	D		Changed Param. 2?
Old Value 1	2	New Valu	ıe 1	Moderate		Changed Value1? Y
Old Value 2		New Valu	ıe 2			Changed Value 2?
Old Operator 1	> New Opt. 1 >	Changed Opt. 1?	N Old Opt	. 2 New	Opt. 2	Changed Opt. 2?
Old Condensed Impact	Icing Aloft	New Col Impact	ndensed	Severe Icing	Aloft	Changed Condensed Y Impact?
	lcing aloft > moderate create systems engaged.	s conditions which	exceed aircra	ift ability to fly sa	ifely, even wit	n anti-icing and deicing
	lcing aloft > moderate create systems engaged, if flight lev					h anti-icing and deicing
Old Source (1s	t Cavalry Division, 1992);				Cl	nanged Full Impact?
<u>-</u>	55-1510-218-10, Para 8-64, Fe	eb 1994				
Comments				A. A. A. B. C. C. C.		
Changed Source?	Y	Are There Any (2)	Options?	N	Any	Change to Record? Y

		IWI	EDA System	Rules				
ID # 201 Sys	tem Name	RC-12		Rule 1	# 79	Rule 2#	Delete Rule	? Y
Old Color 1	New Color				С	hanged Col	or?	
Parameter 1 #	24 Old Param. 1 ID	turbulenceintensity	New Param.	1 ID			Changed Param.	1?
Parameter 2 #	Old Param. 2 ID		New Param.	2 ID			Changed Param.	2?
Old Value 1	1	New	/ Value 1				Changed Value1?	
Old Value 2		New	/ Value 2			(Changed Value 2?	
Old Operator 1	> New Opt. 1	Changed Op	ot. 1? Old (Opt. 2	New Opt.	2	Changed Opt. 2	?
Old Condensed Impact	Turbulenc		w Condensed pact				Changed Condens mpact?	ed
Old Full Impact	Turbulence > light al	oft makes the platform	n unstable and d	egrades sens	or performa	ance.		
New Full Impact								
Old Source	1st Cavalry Division, 19	102)-	ookina or u	1		Char	nged Full Impact?	
	Delete Rule: Not signifi		2					
Comments								
Changed Source	9? Y	Are There A	ny (2) Options?	N		Any C	hange to Record?	Υ
ID # 202 Sys	tem Name	RC-12		Rule 1	# 80	Rule 2#	Delete Rule	e? N
Old Color 2	New Color 1				C	hanged Col	or? Y	
Parameter 1 #	24 Old Param. 1 ID	turbulenceintensity	New Param.	1 ID Turk	oulence Inte	ensity	Changed Param.	1? N
Parameter 2 #	Old Param. 2 ID		New Param.	2 ID			Changed Param.	2?
Old Value 1	2	Nev	v Value 1	Modera	te		Changed Value1?	Y
Old Value 2		Nev	v Value 2			= (Changed Value 2?	
Old Operator 1	> New Opt. 1	> Changed Or	ot. 1? N Old	Opt. 2	New Opt.	2	Changed Opt. 2	?
Old Condensed Impact			w Condensed pact	Severe Ti	urbulence A		- Changed Condens Impact?	ed Y
Old Full Impact	Turbulence > moder unsafe conditions for	ate aloft makes the plant or flight.	atform very unst	able, severely	degrades	sensor perl	formance, and cre	ates
New Full Impact		turbulence forecast b lese areas will make c						ed
						Cha	nged Full Impact?	Y
Old Source	(1st Cavalry Division, 1	992);						
Reason for	TM 55-1510-218-10, Par Interview with Mr. John Ft. Eustis, VA, Aug 199	Benham, Instructor P	Pilot C12, Chief A	viation Applie	d Technolo	ogy divisio	n, Felker Army Ai	rfield,
Comments								
Changed Source	e? Y	Are There A	any (2) Options?	N		Any C	hange to Record?	Υ

			IWED	A Syst	em Rul	es				
ID # 203 Syste	em Name		TLQ-17A			Rule 1#	3 Rul	e 2 #	Delete Rule	? N
Old Color 2	New Color 2						Char	ged Colo	r? N	
Parameter 1 #	8 Old Param. 1 ID	eleva	tion	New Par	am. 1 ID	Freezi	ing Rain		Changed Param.	1? Y
Parameter 2 #	Old Param. 2 ID			New Par	am. 2 ID				Changed Param.	2?
Old Value 1	10000		New Va	alue 1		Light		С	hanged Value1?	Y
Old Value 2			New Va	alue 2				С	hanged Value 2?	
Old Operator 1	>= New Opt. 1	>= Ch	anged Opt. 1	? N	Old Opt. 2	Nev	v Opt. 2		Changed Opt. 27	, <u> </u>
Old Condensed Impact	Eleva	tion	New C	ondensed	M	oderate Free	zing Rain		hanged Condense	ed Y
Old Full Impact	Operating at elevati	ons >= 10,000	feet exceed	s the sys	tem specif	ications.				
New Full Impact	The LPA antenna ar	id mast will n	ot operate pi	roperly w	ith more th	nan 1/4 inch i	ce buildu	р.		
Old Source (1	st Cavalry Division, 1	992):						Chang	ged Full Impact?	Y
<u>-</u>	M 32-5865-301-10, Par		992	***************						
Comments										
Changed Source?	Y	Are	e There Any (2) Options	s? N			Any Cha	ange to Record?	Y
ID # 204 Syste	m Name		TPQ-36			Rule 1#	59 Rule	2#	Delete Rule	? N
Old Color 1	New Color 1						Chan	ged Color	r? N	
Parameter 1 #	21 Old Param. 1 ID	surfacewii	ndspeed	New Para	am. 1 ID	Surface V	Vind Spee	ed (Changed Param.	1? N
Parameter 2 #	Old Param. 2 ID			New Para	am. 2 ID				Changed Param.	2?
Old Value 1	35		New Va	lue 1		35 Kts.		Cl	hanged Value1?	N
Old Value 2	-		New Va	lue 2				Cł	hanged Value 2?	Ī
Old Operator 1	>= New Opt. 1	>= Ch	anged Opt. 1	? N C	Old Opt. 2	New	Opt. 2		Changed Opt. 2?	
Old Condensed Impact	Surface	Wind	New C	ondensed		Surface W			nanged Condense	d N
Old Full Impact	Surface wind speed	>= 35 kts red	uces the effe	ctiveness	of the an	tenna due to	reduced	stability.		
New Full Impact	Surface wind speed	>= 35 kts red	uces the effe	ctiveness	of the an	tenna due to	reduced	stability.		
Old Source (1s	st Cavalry Division, 1	992);					·	Chang	ed Full Impact?	N
New Source/ Reason for Delete	1 34-81-1, Appendix C	9-5, Dec 1992								
Comments										
Changed Source?	Y	Are	There Any (2) Options	? N			Any Cha	ange to Record?	Υ

				WEDA	Sy	stem	Rul	es							
ID # 205 System	m Name		TPQ-3	6				Rule 1	# 70	Ru	le 2 #		Delete Ruis	? [Y
Old Color 2	New Color									Cha	nged C	olor?			
Parameter 1 #	21 Old Param. 1 ID	surface	windspe	ed N	lew P	aram.	1 ID					Cha	nged Param.	1?	
Parameter 2 #	Old Param. 2 ID			N	lew P	aram.	2 ID					Cha	nged Param.	2?	$\overline{}$
Old Value 1	80		N	lew Valu	e 1							Chan	ged Value1?	Ī	ī
Old Value 2			١	lew Valu	e 2							Chan	ged Value 2?	Ī	_
Old Operator 1	>= New Opt. 1		Changed	Opt. 1?		Old	Opt. 2		New O	pt. 2		Cha	anged Opt. 21	?	Π
Old Condensed Impact	Surfac	e Wind	1	New Cor Impact	ndens	ed						Chang Impac	ged Condens	ed _	
Old Full Impact	Surface wind speed	i >= 80 kts e	exceeds t	he opera	ation	al limi	ts and	causes	the ante	nna t	o be st	owed.			
New Full Impact															
Old Source (1s	st Cavalry Division,	1992):									Cha	anged	Full Impact?	L	
	elete Rule: Covered I														
Comments															╗
Changed Source?	Y		Are There	e Any (2)	Optio	ons?	N				Any	Change	e to Record?		Y
ID # 206 System	m Name		TPQ-3	6				Rule 1	# 141	Ru	le 2 #	141	Delete Rule	? [I	N
Old Color 1	New Color '	1								Cha	nged Co	olor?	N		
Parameter 1 #	26 Old Param. 1 ID	vis	sibility	N	lew P	aram.	1 ID		Visibili	ity		Cha	nged Param.	1?[N
Parameter 2 #	1 Old Param. 2 ID	blow	ingsand	١	lew P	aram.	2 ID	В	lowing	Sand		Cha	nged Param.	2?[N
Old Value 1	800		١	lew Valu	e 1			300 mete	rs			Chan	ged Value1?	1	N
Old Value 2	1		1	lew Valu	e 2	Yes						Chan	ged Value 2?		Υ
Old Operator 1	< New Opt. 1	<	Changed	Opt. 1?	N	Old	Opt. 2	=	New O	pt. 2	=	Ch	anged Opt. 21	? [N
Old Condensed Impact	Sand	storm		New Cor Impact	ndens	ed		Sar	dstorm			Chang Impac	ged Condens ct?	ed [N
Old Full Impact	Any occurrence of	blowing sar	nd and vi	sibility <	< 0.5 ı	mile (8	00 m)	degrade	s the sy	stem	s abilit	y to lo	cate targets.		
New Full Impact	Any occurrence of	blowing sai	nd and vi	sibility <	< 0.5 ι	mile (8	00 m)	degrade	s the sy	stem	s abilit	y to lo	cate targets.		
Old Source (1s	st Cavalry Division,	1992);									Ch	anged	Full Impact?	[N
New Source/ Reason for Delete	/ 34-81-1, Appendix	E-7, Dec 19	92												
Comments															
Changed Source?	Y		Are There	e Any (2)	Optio	ons?	Υ				Any	Chang	e to Record?		Υ

			IWE	OA Sy	stem R	ules					
ID # 207 Syste	em Name		TPQ-36			Rule 1 #	142	Rule 2 #	142	Delete Rule?	N
Old Color 1	New Color	1					C	hanged C	olor?	N	
Parameter 1 #	26 Old Param. 1 II	V	isibility	New P	aram. 1 ID)	Visibility		Cha	nged Param. 1	? N
Parameter 2 #	2 Old Param. 2 II	old	wingsnow	New P	aram. 2 ID	Blo	wing Sn	ow	Cha	nged Param. 2	? N
Old Value 1	800		New V	alue 1		800 meters	3		Chang	ged Value1?	N
Old Value 2	11		New V	alue 2	Yes				Chang	ged Value 2?	Y
Old Operator 1	< New Opt. 1	<	Changed Opt. 1	? N	Old Opt.	2 = 1	New Opt.	2 =	Cha	anged Opt. 2?	N
Old Condensed Impact	Snov	vstorm	New C	Condens t	ed	Snow	storm		Chang Impac	ged Condensed t?	N
Old Full Impact	Any occurrence of	f blowing sr	now and visibilit	y < 0.5	mile (800 i	m) degrades	the syst	ems abili	ty to lo	cate targets.	
New Full Impact	Any occurrence of	blowing sr	now and visibilit	ty < 0.5	mile (800 i	m) degrades	the syst	ems abili	ty to lo	cate targets.	
Old Source (1	at Cavalar Division	1002).				\neg		Ch	anged I	Full Impact?	N
	st Cavalry Division, WI 34-81-1, Appendix		002				-				
Reason for Delete	n 34-61-1, Appendix	E-7, Dec 1.	,	•							
Comments											
Changed Source?	Y		Are There Any	(2) Optic	ns?	Y	-	Any	Change	to Record?	Y
ID # 208 Syste	em Name New Color	2	TPQ-37			Rule 1#		Rule 2 #	olor?	Delete Rule?	N
Parameter 1 #	21 Old Param. 1 II	surfac	ewindspeed	New P	aram. 1 ID	Surfac	e Wind S	Speed	Chai	nged Param. 1	? N
Parameter 2 #	Old Param. 2 ID)		New P	aram. 2 ID				Chai	nged Param. 2	?
Old Value 1	35		New Va	alue 1		35 kts			_	jed Value1?	N
Old Value 2			New Va							jed Value 2?	
Old Operator 1	>= New Opt. 1	>=	Changed Opt. 1	? N	Old Opt.	2 1	New Opt.	2		inged Opt. 2?	
Old Condensed Impact		e Wind	Impac				e Wind		Impac	jed Condensed t?	N
Old Full Impact	Surface wind spee	d >= 35 kts	reduces the eff	ectivene	ess of the	antenna due	to reduc	ced stabil	ity.		
New Full Impact	Surface wind spee	d >= 35 kts	. causes antenn	a to be	stowed.						
								Ch	anged F	Full Impact?	Y
<u></u>	st Cavalry Division,										
New Source/ Reason for Delete	M11-5840-355-10-1, F	Page 2-317,	Jul 1981								
Comments											
Changed Source?	Y		Are There Any	(2) Optio	ns?	N		Anv	Change	to Record?	Y

					WED	OA Sy	stem	Rul	es						
ID # 209 Syste	m Name			TPQ-	37				Rule 1#	71	Rule	2#[Delete Rui	e? N
Old Color 2	New C	olor 2									Chang	ged Co	lor?	N	
Parameter 1 #	21 Old P	aram. 1 ID	surface	ewindspe	ed	New F	aram.	1 ID	Surfa	ce Win	d Gus	t	Cha	nged Param	. 1? Y
Parameter 2 #	Old P	aram. 2 ID				New F	aram.	2 ID					Cha	nged Param	. 2?
Old Value 1		50			New Va	alue 1			65 kts.				Chang	ged Value1?	Y
Old Value 2					New Va	alue 2							Chang	ged Value 21	,
Old Operator 1	>= Ne	ew Opt. 1	>=	Change	Opt. 1	1? N	Old	Opt. 2		New Op	t. 2		Cha	anged Opt. 2	?
Old Condensed Impact		Surface	Wind		New C	Condens	ed		Surface \	Vind G	ust		Chang Impac	ged Condens t?	sed Y
Old Full Impact	Surface v	vind speed	>= 50 kts	exceeds	operat	tional li	mits a	nd cau	ses the a	ntenna	to be	stowe	d.		
New Full Impact	Surface v	vind gusts >	= 65 kts.	causes a	intenna	a to be	stowe	d.							
Old Source (1s	et Cavalny	Division, 19	1021.									Cha	nged l	Full Impact?	Υ
<u>-</u>		55-10-1, Pa		Jul 1981											
Comments															
Changed Source?	Y			Are Then	e Any	(2) Optio	ons?	N				Any C	Change	e to Record?	Y
ID # 210 Syste	m Name			TPQ-	37]	Rule 1 #	141	7	L	141	Delete Rui	e? Y
Old Color 1	New C					_					Chang	ged Co	_		_
Parameter 1 #	26 Old P	aram. 1 ID		sibility		_	aram.						_	nged Param	<u></u>
Parameter 2 #	1 Old P	aram. 2 ID	blov	wingsand	<i></i>	New F	aram.	2 ID					_	nged Param	
Old Value 1		800			New Va	alue 1								ged Value1?	_
Old Value 2		1			New Va								_	ged Value 21	
Old Operator 1	< Ne	ew Opt. 1		Change	1 Opt. 1	1?	Old	Opt. 2	=	New Op	ot. 2		Cha	anged Opt. 2	!?
Old Condensed Impact		Sandst	orm		New C Impac	Condens t	ed						Chang	ged Conden: :t?	sed
Old Full Impact	Any occu	rrence of b	lowing sa	ind and v	isibilit	y < 0.5	mile (8	00 m)	degrades	the sys	stems	ability	to lo	cate targets	
New Full Impact			1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1												
												Cha	nged	Full Impact?	
<u></u>		Division, 19							•						
New Source/ Reason for Delete	elete Rule:	TM11-5840	0-355-10-1	l, Jul 198	1, Ope	rator's	Manua	l make	es no men	tion of	this ir	npact	in unu	usual condi	ions
Comments		- 1													
Changed Source?	Y			Are The	re Any	(2) Opti	ons?	Y				Any C	Change	e to Record?	Y

IWEDA System Rules TPQ-37 Rule 1 # 142 Delete Rule? ID # 211 System Name Rule 2 # 142 Changed Color? Old Color **New Color** visibility New Param. 1 ID Changed Param. 1? Parameter 1 # Old Param. 1 ID blowingsnow New Param. 2 ID Changed Param. 2? Parameter 2 # Old Param. 2 ID Old Value 1 800 New Value 1 Changed Value1? Changed Value 2? 1 New Value 2 Old Value 2 Changed Opt. 1? Changed Opt. 2? Old Operator 1 New Opt. 1 Old Opt. 2 New Opt. 2 Old Condensed Snowstorm New Condensed Changed Condensed Impact Impact? Impact Any occurrence of blowing snow and visibility < 0.5 mile (800 m) degrades the systems ability to locate targets. Old Full Impact New Full Impact Changed Full Impact? Old Source (1st Cavalry Division, 1992); Delete Rule: TM11-5840-355-10-1, Jul 1981, Operator's Manual makes no mention of this impact in unusual conditions New Source/ Reason for Delete Comments Υ Υ Y Are There Any (2) Options? Any Change to Record? Changed Source? Y TRQ-32V Delete Rule? ID# 212 System Name Rule 1# 21 Rule 2# Changed Color? **New Color** Old Color Parameter 1 # 22 Old Param. 1 ID temperature New Param. 1 ID Changed Param. 1? Changed Param. 2? New Param. 2 ID Parameter 2 # Old Param. 2 ID New Value 1 Changed Value1? Old Value 1 125 Changed Value 2? Old Value 2 New Value 2 Changed Opt. 2? Changed Opt. 1? Old Opt. 2 New Opt. 2 Old Operator 1 New Opt. 1 Changed Condensed Hot **New Condensed** Old Condensed Impact Impact? Impact Old Full Impact Temperatures >= 125 F exceed system specifications. New Full Impact Changed Full Impact? Old Source (1st Cavalry Division, 1992); Delete Rule: No reference or record of system in DA PAM 25-30 ,Army Index of Publications and Forms, 1 Oct 1997 New Source/ Reason for Delete Comments

Y

Changed Source?

Are There Any (2) Options?

N

Any Change to Record?

Y

		IWEDA S	stem Rui	es			
ID# 213 System	n Name	TRQ-32V		Rule 1 # 24	Rule 2#	Delete Rule	? Y
Old Color 1	New Color				Changed Color?		
Parameter 1 # 2	2 Old Param. 1 ID ter	nperature New	Param. 1 ID		C	hanged Param.	1?
Parameter 2 #	Old Param. 2 ID	New	Param. 2 ID		C	hanged Param. 2	27
Old Value 1	100	New Value 1			Cha	inged Value1?	
Old Value 2		New Value 2			Cha	inged Value 2?	
Old Operator 1	>= New Opt. 1	Changed Opt. 1?	Old Opt. 2	New Op	ot. 2	hanged Opt. 2?	
Old Condensed Impact	Hot	New Conder Impact	sed		1	inged Condense act?	d
	Temperatures >= 100 F precion generator.	ude sustained operation	ons for more t	han 3 hours conf	tinuously becua	se of power tak	e-off
New Full Impact							
Old Course [4-	t OI Division (1000)				Change	d Full Impact?	
	t Cavalry Division, 1992); lete Rule: No reference or rec	and of avetern in DA F	AM 25 20 A-	my Indox of Dubi	instinue and Fa	4 0-4 4007	
Reason for Delete	lete Rule: No reference or rec	cord of system in DA P	AM 25-30, AN	my index of Publ	ications and Foi	ms, 1 Oct 1997	
Comments							
Changed Source?	Y	Are There Any (2) Op	tions? N		Any Char	ge to Record?	Y
	-						
ID # 214 System Old Color 2	n Name New Color	TRQ-32V		Rule 1 # 90	Rule 2 # Changed Color?	Delete Rule	? Y
		ivehumidity New	Param. 1 ID			hanged Param.	12
Parameter 2 #	Old Param. 2 ID		Param. 2 ID			hanged Param. 2	
Old Value 1	95	New Value 1	aram. 210			anged Value1?	- H
Old Value 2		New Value 2				anged Value 2?	
Old Operator 1	> New Opt. 1	Changed Opt. 1?	Old Opt. 2	New Op		hanged Opt. 2?	
Old Condensed Impact	Relative Humidity	New Conder			Cha	anged Condense	
	Humidity > 96% greatly decre	·	ess.				
New Full Impact							
				1	Change	d Full Impact?	
<u> </u>	t Cavalry Division, 1992); lete Rule: No reference or rec	cord of system in DA F	PAM 25-30, Ar	my Index of Publ	ications and Fo	rms, 1 Oct 1997	<u>'</u>
Comments							
Changed Source?	Y	Are There Any (2) Op	tions? N		Any Char	nge to Record?	Υ

IWEDA System Rules

										**		
ID# 215 System	n Name			TSQ-138			Rule 1 #	7	Rule 2#		Delete Rule?	? N
Old Color 2	New	Color 1							Changed (Color?	Y	
Parameter 1 # 2	2 Old	Param. 1 ID	terr	perature	New P	aram. 1 ID	Te	emperat	ure	Cha	anged Param. 1	1? N
Parameter 2 #	Old	Param. 2 ID			New P	aram. 2 IC				Cha	anged Param. 2	2? 🔲
Old Value 1		-25		New	Value 1		- 50 F			Chan	ged Value1?	Υ
Old Value 2				New '	Value 2					Chan	ged Value 2?	
Old Operator 1	<=	New Opt. 1	<=	Changed Opt	. 1? N	Old Opt.	2	New Op	t. 2	Ch	anged Opt. 2?	
Old Condensed Impact		Col	d	New Impa	Condens	ed	Extrer	ne Cold		Chan Impa	ged Condense ct?	d Y
Old Full Impact	Tempe	atures <= -25	F exceed	the operation	nal limits.							
New Full Impact	Tempe	ratures <= -50)F exceed	design limits			AND THE STATE OF T					
Old Sauras (4a4	· Carral	- Divinion 4	002).						Cl	nanged	Full Impact?	Y
<u> </u>		y Division, 19 Operator Gu		Corporation, I	Mar 1993,	refers to	TM5-4120-3	70-14, P	ara 2-17, N	Mar 198	3	
Comments												
Changed Source?	Y			Are There Any	y (2) Optio	ns?	N		Any	Chang	e to Record?	Y
ID # 216 System	n Name			TSQ-138			Rule 1 #	17	Rule 2#		Delete Rule?	N
Old Color 2	New	Color 1							Changed C	Color?	Y	
Parameter 1 # 2	2 Old	Param. 1 ID	tem	perature	New P	aram. 1 ID	Te	mperat	ure	Cha	inged Param. 1	? N
Parameter 2 #	Old	Param. 2 ID			New P	aram. 2 ID				Cha	inged Param. 2	??
Old Value 1		120		New '	Value 1		125 F			Chan	ged Value1?	Y
Old Value 2				New '	Value 2					Chan	ged Value 2?	
Old Operator 1	>=	New Opt. 1	>=	Changed Opt.	1? N	Old Opt.	2	New Op	t. 2	Ch	anged Opt. 2?	
Old Condensed Impact		Но	t	New Impa	Condense	ed	Extrer	ne Heat		Chan Impa	ged Condensect?	d Y
Old Full Impact	Temper	atures >= 12	0 F exceed	d the operation	nal limits.							
New Full Impact	Temper	atures >= 12	5F exceed	design limits							And Department of the Control of the	
L									Cl	nanged	Full Impact?	Υ
L-		y Division, 1										
New Source/ Reason for Delete	ilblazer	Operator Gu	iide, MVP	Corporation N	1993 r	efers to T	M 5-4120-37	0-14, Pa	ara 2-16, M	ar 1983	3	
Comments												
L												

ID # 217 Syste	em Name	TSQ-138			Rule 1 # 25	Rule 2 #	Delete Rule?	N
Old Color 1	New Color 1				(Changed Color	? N	
Parameter 1 #	6 Old Param. 1 ID d	ewpoint	New Par	am. 1 ID	Dew Poir	nt C	hanged Param. 1?	N
Parameter 2 #	Old Param. 2 ID		New Par	am. 2 ID		c	hanged Param. 2?	
Old Value 1	65	New V	alue 1		85 F	Ch	anged Value1?	Y
Old Value 2		New V	alue 2			Ch	anged Value 2?	
Old Operator 1	>= New Opt. 1 >	Changed Opt. 1	1? Y	Old Opt. 2	New Opt	. 2	Changed Opt. 2?	
Old Condensed Impact	Dewpoint Temperatur	New C	Condensed t	C	ewpoint Tempera		anged Condensed pact?	N
Old Full Impact	Dewpoint temperatures >= 65	F degrade perfe	ormance.					
New Full Impact	Dewpoint temperatures > 85 I	F may degrade p	performan	ce due to	increased mainter	nance		
						Change	ed Full Impact?	Υ
L'	st Cavalry Division, 1992); railblazer Operator Guide, MVP	Corporation, M	ar 1993, re	efers to TN	/ 5-4120-370-14, P	ara 2-19, Mar 1	1983	
Comments								
Changed Source?	Y Y	Are There Any	(2) Option:	s? N]	Any Cha	nge to Record?	Y
ID # 218 Syste	em Name	TSQ-138		I	Rule 1 # 26			
	New Color					Rule 2 # Changed Color		Υ
Parameter 1 #		ewpoint	New Par	am. 1 ID		Changed Color		
Parameter 1 # Parameter 2 #		ewpoint	New Par	<u></u>		Changed Color	? Changed Param. 1?	
_	6 Old Param. 1 ID d	ewpoint	New Par	am. 1 ID am. 2 ID		Changed Color	?	
Parameter 2 #	6 Old Param. 1 ID d		New Par	<u></u>		Changed Color Ch	? Changed Param. 1? Changed Param. 2?	
Parameter 2 # Old Value 1	6 Old Param. 1 ID d Old Param. 2 ID 85] New V	New Par alue 1 [alue 2 [am. 2 ID	(Changed Color Ch	? Changed Param. 1? Changed Param. 2? anged Value1?	
Parameter 2 # Old Value 1 Old Value 2 Old Operator 1 Old Condensed	6 Old Param. 1 ID d Old Param. 2 ID 85	New V New V Changed Opt.	New Par falue 1 [falue 2 [1? []	am. 2 ID	(Changed Color Ch Ch Ch Ch Ch Ch	? Changed Param. 1? Changed Param. 2? anged Value1? anged Value 2?	
Parameter 2 # Old Value 1 Old Value 2 Old Operator 1	6 Old Param. 1 ID d Old Param. 2 ID 85	New V New V Changed Opt. Rew Countries	New Par alue 1 [alue 2 [1? [Condensed	Old Opt. 2	New Opt	Changed Color Ch Ch Ch Ch	Changed Param. 1? Changed Param. 2? anged Value1? anged Value 2? Changed Opt. 2? anged Condensed	
Parameter 2 # Oid Value 1 Old Value 2 Old Operator 1 Old Condensed	6 Old Param. 1 ID d Old Param. 2 ID 85 >= New Opt. 1 Dewpoint Temperatur	New V New V Changed Opt. Rew Countries	New Par alue 1 [alue 2 [1? [Condensed	Old Opt. 2	New Opt	Changed Color Ch Ch Ch Ch	Changed Param. 1? Changed Param. 2? anged Value1? anged Value 2? Changed Opt. 2? anged Condensed	
Parameter 2 # Oid Value 1 Old Value 2 Old Operator 1 Old Condensed impact Old Full Impact New Full Impact	6 Old Param. 1 ID d Old Param. 2 ID 85 >= New Opt. 1 Dewpoint Temperatur Dewpoint temperatures >= 85	New V New V Changed Opt. Rew Countries	New Par alue 1 [alue 2 [1? [Condensed	Old Opt. 2	New Opt	Changed Color Ch Ch Ch Ch g limits.	Changed Param. 1? Changed Param. 2? anged Value1? anged Value 2? Changed Opt. 2? anged Condensed	
Parameter 2 # Oid Value 1 Old Value 2 Old Operator 1 Old Condensed Impact Old Full Impact New Full Impact Old Source	6 Old Param. 1 ID d Old Param. 2 ID 85 >= New Opt. 1 Dewpoint Temperatur	New V New V Changed Opt. Pe New 0 Impact F greatly degra	New Par alue 1 [alue 2 [1? [Condensed	Old Opt. 2	New Opt	Changed Color Ch Ch Ch Ch g limits.	Changed Param. 1? Changed Param. 2? anged Value1? anged Value 2? Changed Opt. 2? anged Condensed pact?	
Parameter 2 # Oid Value 1 Old Value 2 Old Operator 1 Old Condensed Impact Old Full Impact New Full Impact Old Source New Source/ Reason for	6 Old Param. 1 ID d Old Param. 2 ID 85 >= New Opt. 1 Dewpoint Temperatur Dewpoint temperatures >= 85	New V New V Changed Opt. Pe New 0 Impact F greatly degra	New Par alue 1 [alue 2 [1? [Condensed	Old Opt. 2	New Opt	Changed Color Ch Ch Ch Ch g limits.	Changed Param. 1? Changed Param. 2? anged Value1? anged Value 2? Changed Opt. 2? anged Condensed pact?	

				IWE	DA Sys	stem Ru	les					
ID# 219 Sys	stem Name			UAV			Rule 1#	16	Rule 2#		Delete Rule	? N
Old Color	2 New C	olor 2						C	hanged C	olor?	N	
Parameter 1 #	22 Old Pa	aram. 1 ID	temp	perature	New P	aram. 1 ID	Ten	nperatu	re	Cha	nged Param.	1? N
Parameter 2 #	Old Pa	aram. 2 ID			New P	aram. 2 ID				Cha	nged Param.	2?
Old Value 1		5		New \	/alue 1		- 25 F			Chang	ged Value1?	Y
Old Value 2				New \	/alue 2					Chan	ged Value 2?	
Old Operator 1	<= Ne	w Opt. 1	<=	Changed Opt.	1? N	Old Opt. 2	N	ew Opt.	2	Cha	anged Opt. 21	?
Old Condensed Impact	1	Cold		New Impa	Condense ct	ed	Extreme	e Cold		Chang Impac	ged Condensont?	ed Y
Old Full Impact	Temperat	ures < 5 F ex	ceed the	operational l	imits of t	he system.						
New Full Impact	Temperat	ures <= - 25	F exceed	the normal o	perating	enviroment	:					
Old Source	(1st Cavalry	Division 199	2):]		Ch	anged i	Full Impact?	Y
l	TM 9-5895-69			97								
Comments												
Changed Source	e? Y			Are There Any	(2) Optio	ns? N			Any	Change	e to Record?	Y
ID # 220 Sys	tem Name			UAV			Rule 1#	24	Rule 2#		Delete Rule	? N
Old Color 2	New C	olor 2	7					C	hanged C	olor?	N	
Parameter 1 #	22 Old Pa	aram. 1 ID	temp	perature	New Pa	aram. 1 ID	Ten	nperatu	re	Cha	nged Param.	1? N
Parameter 2 #	Old Pa	aram. 2 ID			New Pa	aram. 2 ID				Cha	nged Param.	2?
Old Value 1		100		New V	alue 1		120 F			 Chang	ged Value1?	Y
Old Value 2				New V	alue 2					Chang	ged Value 2?	
Old Operator 1	>= Ne	w Opt. 1	>=	Changed Opt.	1? N	Old Opt. 2	N	ew Opt.	2	Cha	anged Opt. 2?	· 🗀
Old Condensed Impact		Hot		New Impa	Condense	ed	Very	Hot		Chang	ged Condense t?	ed Y
Old Full Impact	Temperat	ures > 100 F	exceed t	he operationa	l limits o	f the syster	n.					
New Full Impact	Temperate	ures > 120 F	exceed t	he normal ope	eration e	nvironment						
	L								Ch	anged I	Full Impact?	Y
Old Source	(1st Cavalry	Division, 199	2);						-	5	•	
New Source/ Reason for Delete	TM 9-5895-69	2-10, Page 1	-27, Mar	1997								
Comments											-	
						ns? N				Change		Y

		IWED	A System	Rules			
ID # 221 System	m Name	UAV		Rule 1 #	34 Rule 2 #	Delete Rule?	N
Old Color 2	New Color 2				Changed C	olor? N	
Parameter 1 #	26 Old Param. 1 ID	visibility	New Param. 1	ID Vis	sibility	Changed Param. 1?	N
Parameter 2 #	Old Param. 2 ID		New Param. 2	ID		Changed Param. 2?	·
Old Value 1	1600	New Val	ue 1	1600 meters		Changed Value1?	N
Old Value 2		New Val	ue 2			Changed Value 2?	
Old Operator 1	<= New Opt. 1 <=	Changed Opt. 1?	N Old O	pt. 2 Ne	w Opt. 2	Changed Opt. 2?	
Old Condensed Impact	Reduced Visibility	New Co Impact	ndensed	Low Visi	bility	Changed Condensed Impact?	Y
Old Full Impact	Visibility <= 1.0 mile (1600 m	n) makes the identi	fication and/o	r recognition of t	argets very diff	cult.	
New Full Impact	Visibility <= 1.0 mile (1600 r	n) is below all visu	al flight rules	for the operation	of the Hunter U	JAV.	
					Ch	anged Full Impact?	Y
_	st Cavalry Division, 1992);						
	nmanned Aerial Vehicle Shor so may be in TM 9-5895-692-0		Standard Ope	rating Procuedur	es (SOP), page	C-57, date unknown.	
Comments						A STATE OF THE STA	
Changed Source?	Y	Are There Any (2) Options?	N	Any	Change to Record?	Υ
ID # 222 Syste	m Name	UAV		Rule 1 #	35 Rule 2 #	Delete Rule?	Y
Old Color 1	New Color				Changed C	olor?	
Parameter 1 #	26 Old Param. 1 ID	visibility	New Param. 1	ID		Changed Param. 1?	'
Parameter 2 #	Old Param. 2 ID		New Param. 2	ID		Changed Param. 2?	'
Old Value 1	3200	New Val	ue 1			Changed Value1?	
Old Value 2		New Val	ue 2			Changed Value 2?	
Old Operator 1	<= New Opt. 1	Changed Opt. 1?	Old O	pt. 2 Ne	w Opt. 2	Changed Opt. 2?	
Old Condensed Impact	Reduced Visibility	New Co Impact	ondensed			Changed Condensed Impact?	
Old Full Impact	Visibility <= 2.0 miles (3200	m) makes the iden	tification and	or recognition of	targets difficul		
New Full Impact							
					CH	anged Full Impact?	
Old Source (1	st Cavalry Division, 1992);				OI	angoa i un impaot:	
<u></u>	elete Rule: Old rule for point	er UAV					
Comments							
Changed Source?	Y	Are There Any (2	2) Options?	N	Any	Change to Record?	Y

				IWED	OA Sy	stem R	ules					
ID# 223 S	ystem Nan	me		UAV			Rule 1 #	52	Rule 2	#	Delete Rule	? Y
Old Color	2 N	ew Color							Changed	Color?		
Parameter 1 #	14	Old Param. 1 ID	r	ain	New F	aram. 1 ID				Cha	nged Param.	1?
Parameter 2 #		Old Param. 2 ID			New F	aram. 2 ID				Cha	nged Param. 2	2?
Old Value 1		1		New Va	alue 1					Chang	ged Value1?	
Old Value 2				New Va	alue 2					Chang	ged Value 2?	
Old Operator	1 >	New Opt. 1		Changed Opt. 1	?	Old Opt.	2	New Op	t. 2	Cha	anged Opt. 2?	
Old Condense Impact	ed	Precipi	tation	New C	Condens t	ed				Chang Impac	ged Condense t?	:d
Old Full Impac	t Rain	> light intensit	y makes tar	get identificati	ion and	or recogn	ition very d	ifficult a	and excee	ds syste	m specificato	ons.
New Full Impa	ct											
Old Source	(1st Cav	alry Division, 1	992);						C	hanged F	Full Impact?	
New Source/ Reason for Delete	Delete R	tule: Delete an ems on UAV.		th link to com	ponent	rules for 1	─ 「V/Direct vie	w sigh	t and the	mal sigh	t since there	are
Comments												
Changed Sour	rce? Y		А	are There Any ((2) Optic	ons?	N		An	y Change	to Record?	Y
ID# 224 S	ystem Nan	ne		UAV			Rule 1#	53	Rule 2 #	ŧ	Delete Rule?	? Y
Old Color	1 Ne	ew Color							Changed	Color?		
Parameter 1 #	14 C	old Param. 1 ID	fa	ain	New P	aram. 1 ID				Char	nged Param. 1	1?
Parameter 2 #	C	old Param. 2 ID			New P	aram. 2 ID				Char	nged Param. 2	2?
Old Value 1		0		New Va	alue 1					Chang	ed Value1?	
Old Value 2				New Va	alue 2					Chang	ed Value 2?	
Old Operator	1 >	New Opt. 1		hanged Opt. 1	?	Old Opt.	2 1	New Op	t. 2	Cha	inged Opt. 2?	
Old Condense Impact	ed	Precipi	tation	New C	ondens	ed				Chang Impac	ed Condense t?	d _
Old Full Impac	t Any o	occurrence of r	ain makes t	arget identifica	ation ar	nd/or reco	gnition diffic	cult.				
New Full Impa	ct											
Old Source	(1st Cav	alry Division, 1	992):						C	hanged F	Full Impact?	
New Source/ Reason for Delete		ule: Delete and ems on UAV.	d replace wi	th link to com	ponent	rules for 1	TV/Direct vie	w sight	and ther	mal sigh	t since there	are
Comments							-					
Changed Sour	ce? Y			re There Any ((2) Optic	ns?	N		An	y Change	to Record?	Y

		IWED	A System	Rule	s				
ID # 225 Syste	m Name	UAV			Rule 1 #	56 Ru	le 2#	Delete Rule	? N
Old Color 2	New Color 2					Cha	nged Co	or? N	
Parameter 1 #	10 Old Param. 1 ID	freezingrain	New Param.	1 ID		lcing		Changed Param.	1? Y
Parameter 2 #	Old Param. 2 ID		New Param.	2 ID				Changed Param.	2?
Old Value 1	0	New V	alue 1		None			Changed Value1?	Y
Old Value 2		New V	alue 2					Changed Value 2?	
Old Operator 1	> New Opt. 1	> Changed Opt. 1	I? N Old	Opt. 2	N-	ew Opt. 2		Changed Opt. 2?	,
Old Condensed Impact	Freezing Rai	n New C	Condensed t		lcing /	Aloft		Changed Condense Impact?	ed Y
Old Full Impact	Any occurrence of freezi	ng rain coats the car	nera lens and	makes	target acc	uisition v	ery diffic	cult.	
New Full Impact	Flight into areas of know	n or forecast icing >	none is prohi	bited i	f flying bet	ween (~lci	ng base) & (~lcing tops).	
Old Source (1	st Cavalry Division, 1992);						Cha	nged Full Impact?	Y
	W 9-5896-692-10, Page 1-28								
Comments									
Changed Source?	Y	Are There Any	(2) Options?	N			Any C	hange to Record?	Y
ID # 226 Syste	em Name	UAV			Rule 1#	59 Ru	le 2 #	Delete Rule	? Y
Old Color 2	New Color					Cha	nged Co	lor?	
Parameter 1 #	17 Old Param. 1 ID	snow	New Param.	1 ID				Changed Param.	1?
Parameter 2 #	Old Param. 2 ID		New Param.	2 ID				Changed Param.	2?
Old Value 1	1	New V	alue 1					Changed Value1?	
Old Value 2		New V	alue 2					Changed Value 2?	
Old Operator 1	> New Opt. 1	Changed Opt.	1? Old	Opt. 2	N	ew Opt. 2		Changed Opt. 27	,
Old Condensed Impact	Snow	New (Condensed ct					Changed Condense Impact?	ed
Old Full Impact	Snow > light intensity management of the specifications.	akes target identifica	ation and/or re	cognit	ion very di	fficult and	exceed	s system	
New Full Impact									
							Cha	nged Full Impact?	
L-	st Cavalry Division, 1992)								
	elete Rule: Delete and repubsystems on UAV.	lace with link to con	nponent rules	for TV	Direct viev	v sight an	d therma	al sight since there	e are
Comments							-		
Changed Source?	Y	Are There Any	(2) Options?	N]		Any C	change to Record?	Y

IWEDA System Rules

ID # 227 Syste	m Name		UAV				Rule 1#	60 R	Rule 2 #		Delete Rule	? Y
Old Color 1	New Color							Ch	anged C	olor?		-
Parameter 1 #	17 Old Param. 1	IID	snow	New P	aram.	1 ID				Chan	ged Param.	1?
Parameter 2 #	Old Param. 2	2 ID		New P	aram.	2 ID				Chan	ged Param.	2?
Old Value 1	0		New V	alue 1						Change	ed Value1?	
Old Value 2			New Va	alue 2					Ī	Change	ed Value 2?	
Old Operator 1	> New Opt.	1	Changed Opt. 1	!?	Old (Opt. 2	N	lew Opt. 2		Char	nged Opt. 2?	,
Old Condensed Impact		Snow	New C Impac	Condens t	ed					Change Impact	ed Condense ?	ed
Old Full Impact	Any occurrence	of snowfall n	nakes target ide	ntificatio	on and	l/or rec	ognition	difficult.				
New Full Impact												
									Cha	anged F	ull Impact?	
	st Cavalry Divisio											
	elete Rule: Delete bsystems on UA		with link to com	ponent	rules	for TV/	Direct view	w sight an	d therm	al sight	since there	are
Comments		1.11										
Changed Source?	Y		Are There Any ((2) Optic	ns?	N			Any (Change	to Record?	Y
•			•						-		• •,	•
	···							-				
ID # 228 System	m Name .		UAV				Rule 1#		ule 2 # [Delete Rule	? Y
Old Color 1	New Color							Cha	anged Co	_ '		
Parameter 1 #	21 Old Param. 1		ewindspeed	New Pa		L				_	ged Param.	
Parameter 2 #	Old Param. 2	! ID	1	New Pa	aram. 2	2 ID			7		ged Param. 2	2?
Old Value 1	15		New Va							_	d Value1?	
Old Value 2			New Va							Change	d Value 2?	
Old Operator 1	> New Opt.	1	Changed Opt. 1	?	Old C	Opt. 2	N	ew Opt. 2			iged Opt. 2?	
Old Condensed Impact		face Wind	Impact							Impact?		:d
Old Full Impact	Surface wind sp runway.	eed > 15 kts r	nakes takeoff an	ıd landi	ng of t	he UA	V very diff	icult if wi	nd direct	tion is a	cross the	
New Full Impact												
	1								Cha	anged Fu	ıll Impact?	
Old Source (Jo	oint METOC Train	ing Handboo	k, 1996);									
New Source/ Reason for Delete	lete Rule: Redur	ndant. See rul	e ID# 231									
Comments												
Changed Source?	Υ		Are There Any ((2) Optio	ns?	N			Any (Change t	to Record?	Y

				IW	EDA Sy	stem R	ules					
ID # 229 Syst	em Name			UAV			Rule 1 #	66	Rule 2#		Delete Rule	? N
Old Color 2	New	Color 2							Changed C	Color?	N	
Parameter 1 #	21 Old	Param. 1 ID	surface	windspeed	New F	aram. 1 ID	Surfac	e Wind	Speed	Cha	nged Param.	1? N
Parameter 2 #	Old	Param. 2 ID			New F	aram. 2 ID				Cha	nged Param. 2	2?
Old Value 1		25		Nev	w Value 1		25 kts.			Chang	ged Value1?	N
Old Value 2				Nev	w Value 2					Chang	ged Value 2?	
Old Operator 1	>=	New Opt. 1	>=	Changed O	pt. 1? N	Old Opt.	2 N	lew Opt	2	Cha	anged Opt. 2?	
Old Condensed Impact		Surface	Wind		w Condens pact	sed	Surfac	e Wind		Chang Impac	ged Condense tt?	ed N
Old Full Impact		wind speed system spe			rolling the	UAV very	difficult, red	uces th	e ground :	speed o	f the system,	and
New Full Impact	Maximu	m head wind	i compone	ent must not	t be >= 25	kts.						
Old Source (1st Cavair	y Division, 1	992);				7		C	nanged i	Full Impact?	Υ
New Source/ Reason for Delete	TM 9-5895-	692-10, Page	2-110, M a	r 1997				, ,				
Comments												
Changed Source	? Y			Are There A	ny (2) Opti	ons?	N		Any	Change	e to Record?	Y
	tem Name			UAV			Rule 1 #	67	Rule 2#		Delete Rule	? Y
Old Color 1		Color							Changed (
Parameter 1 #		Param. 1 ID	surface	ewindspeed		Param. 1 ID				'	nged Param.	
Parameter 2 #	Old	Param. 2 ID				Param. 2 ID)				nged Param. 2	2?
Old Value 1		20			w Value 1						ged Value1?	
Old Value 2					w Value 2		_				ged Value 2?	
Old Operator 1		New Opt. 1		Changed O		Old Opt.	2 N	New Opt	1. 2		anged Opt. 2?	L
Old Condensed Impact		Surface	Wind		ew Condens pact	sed				Impac	ged Condense xt?	.a
Old Full Impact	Surface	wind speed	>= 20 kts	makes cont	rolling the	UAV diffic	ult and redu	ces the	ground s	peed of	the system.	
New Full Impact						-						
_									C	nanged	Full Impact?	
		y Division, 1										
New Source/ Reason for Delete	Delete Rul	e: This appli	ies to "Pri	nter" UVA n	ot "Hunter							
Comments										-		
Changed Source	? Y			Are There A	Any (2) Opti	ons?	N		Any	Change	e to Record?	Υ

		IWEDA Sy	stem Rule	s			
ID # 231 Syste	em Name	UAV		Rule 1 # 72	Rule 2#	Delete Rule?	N
Old Color 1	New Color 1				Changed Co		
Parameter 1 #	21 Old Param. 1 ID surfa	acewindspeed New F	aram. 1 ID	Surface Wind	Speed	Changed Param. 1	? N
Parameter 2 #	Old Param. 2 ID	New F	aram. 2 ID			Changed Param. 2	?
Old Value 1	10	New Value 1		15 kts.		Changed Value1?	Y
Old Value 2		New Value 2				Changed Value 2?	
Old Operator 1	>= New Opt. 1 >=	Changed Opt. 1? N	Old Opt. 2	New Opt	2	Changed Opt. 2?	
Old Condensed Impact	Surface Wind	New Condens Impact	ed	Surface Wind		Changed Condensed Impact?	N
Old Full Impact	Surface wind speed >= 10 kt	s makes takeoff and land	ding of the UA	V difficult if wind	direction	is across the runwa	ıy.
New Full Impact	Crosswind component >= 15	5 kts exceeds the normal	operating en	vironment			
Old Source (J	oint METOC Training Handbo	ok. 1996):			Cha	anged Full Impact?	Y
	VI 9-5895-692-10, Page 1-27, M						
Comments							
Changed Source?	Y	Are There Any (2) Option	ons? N		Any (Change to Record?	Y
ID # 232 Syste	m Name	UAV		Rule 1 # 79	Rule 2#	Delete Rule?	N
Old Color 2	New Color 2		_0	C	hanged Co	olor? N	
Parameter 1 #	24 Old Param. 1 ID turbu		aram. 1 ID	Turbulencei Int	ensity	Changed Param. 1	? N
Parameter 2 #	Old Param. 2 ID		aram. 2 ID			Changed Param. 2	
Old Value 1	1	New Value 1		Severe		Changed Value1?	Υ
Old Value 2		New Value 2				Changed Value 2?	
Old Operator 1	> New Opt. 1 >=	Changed Opt. 1?		New Opt.		Changed Opt. 2?	
Old Condensed Impact	Turbulence Aloft	New Condens Impact	ed Sev	ere Turbulence /	Aloft	Changed Condensed Impact?	Υ
Old Full Impact	Turbulence > light exceeds t	he operational limits of t	he system an	d makes control	ing the UA	V very difficult.	
New Full Impact	Flight into turbulence >= sev	vere is prohibited if flying	j between (~to	urbulence base) 8	& (~turbule	nce tops) feet AGL.	
					Cha	anged Full Impact?	Y
	st Cavalry Division, 1992);	4007					
New Source/ Reason for Delete	И 9-5895-692-10, Page 1-28, М	ar 199/					
Comments							
Changed Source?	Y	Are There Any (2) Option	ns? N		Any C	Change to Record?	Y

			IVVEL	JA Sy	stem i	Kule	es					
ID # 233 Sys	tem Name	U	IAV				Rule 1#	81	Rule 2#		Delete Rule?	? N
Old Color 1	New Color 1							CI	hanged C	olor?	N	
Parameter 1 #	24 Old Param. 1 ID	turbulenceint	tensity	New P	aram. 1	ID	Turbule	ence Inte	nsity	Cha	nged Param. 1	? N
Parameter 2 #	Old Param. 2 ID			New P	aram. 2	ID				Cha	nged Param. 2	2?
Old Value 1	0		New V	alue 1			None			Chang	ged Value1?	Y
Old Value 2			New V	alue 2						Chang	ged Value 2?	
Old Operator 1	> New Opt. 1	> Chan	ged Opt.	1? N	Old Op	ot. 2	N	lew Opt. 2	2	Cha	anged Opt. 2?	
Old Condensed Impact	Turbulend	e Aloft	New 0	Condens t	sed		Turbulen	ice Aloft		Chang	ged Condense	dN
Old Full Impact	Any occurrence of to	ırbulence make	s control	ling the	UAV dif	ficult						
New Full Impact	Any occurrence of to (~turbulence tops) for		s control	ling the	UAV dif	ficult	if flying b	etween (~turbule	nce ba	se) &	
Old Source	1st Cavalry Division, 1	992).							Ch	anged	Full Impact?	Υ
	Tm 9-5895-692-10, Page											
Comments												
Changed Source	e? <u>Y</u>	Are T	here Any	(2) Option	ons?	N			Any	Change	e to Record?	Y
ID # 234 Sys	tem Name	U	IAV				Rule 1 #	92	Rule 2#	92	Delete Rule?	N
Old Color 1	New Color 2			_				CI	hanged C		Y	
Parameter 1 #	4 Old Param. 1 ID	cloudcov	/er	New P	Param. 1	ID_	Clo	ud Cove	r	Cha	nged Param. 1	? N
Parameter 2 #	3 Old Param. 2 ID	cloudbas	se	New P	Param. 2	ID_	Cle	oud Base	•	Cha	nged Param. 2	!? N
Old Value 1	4		New V	alue 1		4/8	3 Coverage	Э		Chan	ged Value1?	Y
Old Value 2	500		New V	alue 2	500 Ft.					Chan	ged Value 2?	N
Old Operator 1	> New Opt. 1	>= Chan	ged Opt.	1? Y	Old Op	ot. 2	<= N	lew Opt. 2	2 <=	Cha	anged Opt. 2?	N
Old Condensed Impact	Clou	ds	New 0	Condens ct	ed		Very Low	v Clouds		Chang Impac	ged Condense ct?	d Y
Old Full Impact	Cloud ceilings and I	ases <= 500 ft r	educe th	e groun	d area c	overe	ed by the o	amera s	ystem.			
New Full Impact	Cloud ceilings <= 50	0 feet exceed th	ne visual	flight ru	les for t	he Hu	unter UAV	•				
Old Source	(1st Cavalry Division, 1	992);							Ch	anged	Full Impact?	Y
	Unmanned Aerial Vehic Also may be in TM 9-58) Standa	ard Oper	rating) Procuedi	ures (SO	P), page	C-57, c	date unknown.	
Comments												
Changed Source	e? Y	Are T	here Any	(2) Option	ons?	Υ			Any	Chang	e to Record?	Υ

				IWE	DA Sy	stem Ru	les					
ID # 235 Syste	em Nam	e [UAV			Rule 1#	93	Rule 2#	93	Delete Rule	? Y
Old Color 2	Ne	w Color							Changed C	olor?		
Parameter 1 #	4 0	d Param. 1 ID[clo	udcover	New P	aram. 1 ID				Cha	nged Param.	1?
Parameter 2 #	3 01	d Param. 2 ID	cle	oudbase	New P	aram. 2 ID				Cha	nged Param.	2?
Old Value 1		4		New V	alue 1					Chang	ged Value1?	
Old Value 2		200		New V	alue 2					Chang	ged Value 2?	
Old Operator 1	>	New Opt. 1		Changed Opt.	1?	Old Opt. 2	! <= N	lew Op	t. 2	Cha	anged Opt. 2?	'
Old Condensed Impact		Clou	ds	New (Condens ct	ed				Chang Impac	ged Condense t?	ed
Old Full Impact		ceilings and t the UAV very		200 ft reduce th	e groun	d area cove	red by the d	amera	system ar	d mak	es locating a	nd
New Full Impact												
Old Source (1	st Cava	lry Division, 1	992);]		Ch	anged l	Full Impact?	
New Source/ Reason for Delete	elete Ru	le: Replace b	y rule ID#	234								
Comments												
Changed Source?	Υ			Are There Any	(2) Optio	ons? Y			Any	Change	e to Record?	Y
ID # 236 Syste	m Name	•		UH-1			Rule 1#	24	Rule 2#		Delete Rule	? N
Old Color 1	Nev	v Color 1							Changed C	olor?	N	
Parameter 1 #	22 Ol	d Param. 1 ID	tem	perature	New P	aram. 1 ID	Ter	nperat	ure	Cha	nged Param.	1? N
Parameter 2 #	Ok	d Param. 2 ID			New P	aram. 2 ID				Cha	nged Param. 2	2?
Old Value 1		100		New V	alue 1		100 F			Chang	ged Value1?	N
Oid Value 2				New V							ged Value 2?	
Old Operator 1	>=	New Opt. 1	>=	Changed Opt.	1? N	Old Opt. 2		lew Opt	. 2		anged Opt. 2?	
Old Condensed Impact		Ho	t	New 0	Condens ct	ed	Very	Hot		Chang Impac	ged Condense tt?	d Y
Old Full Impact	Tempe	eratures >= 100) F degrad	de aircraft perfo	rmance							
New Full Impact	Tempe	eratures >= 100) F degrad	de aircraft perfo	ormance	•						
Old Source (1	st Cava	lry Division, 19	992):				7		Ch	anged F	Full Impact?	N
		20-210-10, Cha		b 1997			-					
Comments												
Changed Source?	Υ			Are There Any	(2) Optio	ns? N	Ī		Any	Change	to Record?	Y

IWEDA System Rules UH-1 ID# 237 System Name 32 Rule 2# Delete Rule? Rule 1# **New Color** Y Old Color Changed Color? 23 Old Param, 1 ID thunderstorm New Param, 1 ID Changed Param, 1? N Parameter 1 # Thunderstorm Old Param. 2 ID New Param. 2 ID Parameter 2 # Changed Param. 2? Old Value 1 1 New Value 1 Changed Value1? yes Old Value 2 New Value 2 Changed Value 2? Changed Opt. 1? Old Operator 1 New Opt. 1 N Old Opt. 2 New Opt. 2 Changed Opt. 2? Old Condensed Thunderstorm **New Condensed** Changed Condensed N Thunderstorm Impact Impact Impact? Old Full Impact Any occurrence of thunderstorms curtail aircraft and refueling operations due to safely considerations. Intentional flight into thunderstorms is prohibited. Thunderstorms must be avooided causing mission delays. New Full Impact Changed Full Impact? Υ Old Source (1st Cavalry Division, 1992); New Source/ TM 55-1520-210-10, Para 5-10c, Nov 1993 Reason for AR 95-1, Para 5-2d(3), May 1990 Delete Comments Changed Source? Y Are There Any (2) Options? N Any Change to Record? Υ UH-1 Delete Rule? N Rule 1# 56 Rule 2# ID# 238 System Name Y Changed Color? Old Color **New Color** freezingrain New Param. 1 ID Changed Param. 1? N Parameter 1 # Old Param, 1 ID Freezing Rain Changed Param. 2? Parameter 2 # Old Param. 2 ID New Param. 2 ID Old Value 1 New Value 1 None Changed Value1? n Old Value 2 New Value 2 Changed Value 2? Changed Opt. 1? N Old Opt. 2 Changed Opt. 2? Old Operator 1 New Opt. 1 New Opt. 2 Changed Condensed N Old Condensed Freezing Rain **New Condensed** Freezing Rain Impact Impact? Impact Old Full Impact Any occurrence of freezing rain delays mission launch because exposed aircraft must be deiced. Any occurrence of freezing rain delays mission launch because exposed aircraft must be deiced. New Full Impact Changed Full Impact? N **Old Source** (1st Cavalry Division, 1992); TM 55-1520-210-10, Para 8-56a, Nov 1993 New Source/ Reason for Delete Comments Υ Changed Source? Υ Are There Any (2) Options? N Any Change to Record?

			IWEDA S	stem Rui	es			
ID # 239 Sys	tem Name	UH	-1	-	Rule 1 # 63	Rule 2 #	Delete Rule?	? N
Old Color 2	New Color 2				C	hanged Color	? N	
Parameter 1 #	21 Old Param. 1 ID	surfacewindsp	eed New	Param. 1 ID	Surface Wind S	peed C	hanged Param. 1	1? N
Parameter 2 #	Old Param. 2 ID		New	Param. 2 ID		C	hanged Param. 2	2?
Old Value 1	30		New Value 1		30 kts.	Ch	anged Value1?	N
Old Value 2			New Value 2			Ch	anged Value 2?	\Box
Old Operator 1	>= New Opt. 1	> Change	ed Opt. 1? Y	Old Opt. 2	New Opt. 2	2 0	Changed Opt. 2?	
Old Condensed Impact	Surface	Wind	New Conden	sed	Surface Wind	1	anged Condense	d N
Old Full Impact	Surface wind speed	> 30 kts exceeds	the system op	erating limits	s to take-off.			
New Full Impact	Surface wind speed	> 30 kts exceeds	the system op	erating limits	s for start up, cross	wind hover,	and tail wind ho	ver.
Old Source	1st Cavalry Division, 19	92):				Change	ed Full Impact?	Υ
<u></u>	TM 55-1520-210-10, Para		93					
Comments								
Changed Source	? Y	Are The	ere Any (2) Opt	ions? N]	Any Chai	nge to Record?	Y
ID # 240 Syst	em Name	UH-	1		Rule 1 # 67	Rule 2#	Delete Rule?	? Y
Old Color 1	New Color				Cł	nanged Color?	,	
Parameter 1 #	21 Old Param. 1 ID	surfacewindsp	eed New I	Param. 1 ID		С	hanged Param. 1	1?
Parameter 2 #	Old Param. 2 ID		New I	Param. 2 ID		c	hanged Param. 2	2? 🗌
Old Value 1	20		New Value 1			Cha	anged Value1?	
Old Value 2			New Value 2			Cha	anged Value 2?	
Old Operator 1	>= New Opt. 1	Change	d Opt. 1?	Old Opt. 2	New Opt. 2	2 (Changed Opt. 2?	
Old Condensed Impact	Surface	Wind	New Condens Impact	sed			anged Condensed pact?	d
Old Full Impact	Surface wind speed	> 20 kts impacts t	he ability to ta	ke-off safely	•			
New Full Impact								
Old Source	1st Cavalry Division, 19	92):				Change	ed Full Impact?	
	Delete Rule: redundant							
Comments								
Changed Source	? Y	Are The	ere Any (2) Opti	ons? N		Any Char	nge to Record?	Y

		j'	WEDA Sys	tem Kul	les			
ID # 241 Syst	em Name	UH-1			Rule 1 # 75	Rule 2#	Delete Rule	? N
Old Color 2	New Color 2				C	hanged Col	or? N	
Parameter 1 #	20 Old Param. 1 ID	surfacewindgus	t New Pa	ram. 1 ID	Surface Wind	Gust	Changed Param.	1? N
Parameter 2 #	Old Param. 2 ID		New Pa	ram. 2 ID			Changed Param.	2?
Old Value 1	30		lew Value 1		30 kts.		Changed Value1?	N
Old Value 2			lew Value 2			= (Changed Value 2?	
Old Operator 1	>= New Opt. 1	>= Changed	Opt. 1? N	Old Opt. 2	New Opt.	2	Changed Opt. 2?	· 🗖
Old Condensed Impact	Gus		New Condense Impact	d	Gust		Changed Condense mpact?	ed N
Old Full Impact	Surface wind gust >=	= 30 kts exceeds the	system limits	to start e	ngines.			
New Full Impact	Surface wind gust >=	30 kts exceeds the	system limits	to start e	ngines.			
OH 0	1.0				1	Chan	ged Full Impact?	N
	1st Cavalry Division, 19							
New Source/ Reason for Delete	'M 55-1520-210-10, Para	i 5-130, NOV 1993						
Comments							•	
Changed Source	? Y	Are There	Any (2) Option	s? N		Any Ch	nange to Record?	Y
	em Name	UH-1				Rule 2 #	Delete Rule	? N
Old Color 1	New Color 1					hanged Col		
Parameter 1 #	12 Old Param. 1 ID	icingintensity		ram. 1 ID	Icing Intens	ity	Changed Param.	
Parameter 2 #	Old Param. 2 ID			ram. 2 ID			Changed Param.	
Old Value 1	0		lew Value 1		None	=	Changed Value1?	Y
Old Value 2			lew Value 2	011010			Changed Value 2?	
Old Operator 1	> New Opt. 1		Opt. 1? N				Changed Opt. 2?	
Old Condensed Impact	Icing A		New Condense Impact	a	Icing Aloft		Changed Condense mpact?	N
Old Full Impact	Upper-level icing into	ensity > none may	degrade perfor	mance.				
New Full Impact	Continuos flight icin (~icing top) feet AGL		may degrade p	erformanc	e if the aircraft is fl	ying betwee	en (~icing base) a	nd
					1	Char	ged Full Impact?	Y
	1st Cavalry Division, 19				J			
New Source/ Reason for Delete	M 55-1520-210-10, Para	a 8-64b, Nov 1993						
Comments								
Changed Source	? Y	Are There	Any (2) Option	ns? N	<u> </u>	Any C	nange to Record?	Y

IWEDA System Rules UH-1 Rule 2# Delete Rule? ID# 243 System Name Rule 1# 77 Old Color 2 **New Color Changed Color?** N 12 Old Param. 1 ID icingintensity New Param. 1 ID Changed Param. 1? N Parameter 1 # lcing Intensity Parameter 2 # Old Param. 2 ID New Param. 2 ID Changed Param. 2? Old Value 1 New Value 1 Light Changed Value1? New Value 2 Old Value 2 Changed Value 2? Changed Opt. 2? Old Operator 1 New Opt. 1 Changed Opt. 1? N Old Opt. 2 New Opt. 2 Old Condensed Icing Aloft **New Condensed** Icing Aloft Changed Condensed Impact Impact? Impact Old Full Impact Upper-level icing intensity > light may degrade performance. Intentional flight into known > light icing is prohibited if flight level is between (~icing base) and (~icing tops) New Full Impact Υ Changed Full Impact? Old Source (1st Cavalry Division, 1992); New Source/ TM 55-1520-210-10, Para 5-13b, Nov 1993 Reason for Delete Comments Y Changed Source? Y Are There Any (2) Options? N Any Change to Record? N ID# 244 System Name UH-1 Rule 1# 79 Rule 2# Delete Rule? Changed Color? N **New Color** Old Color Parameter 1 # 24 Old Param, 1 ID turbulenceintensity New Param. 1 ID Turbulence Intensity Changed Param. 1? N New Param. 2 ID Changed Param. 2? Parameter 2 # Old Param. 2 ID 1 New Value 1 Changed Value1? Old Value 1 Light Changed Value 2? Old Value 2 New Value 2 N Old Opt. 2 Changed Opt. 2? Changed Opt. 1? New Opt. 2 Old Operator 1 New Opt. 1 Turbulence Aloft Turbulence Aloft **Changed Condensed** Old Condensed **New Condensed** N Impact Impact Impact? Old Full Impact Upper-level turbulence > light intensity degrades flying safety. Intentional flight into turbulence>light is not recommended if flight level is between (~turbulence base) & New Full Impact (~turbuence tops) feet AGL Y Changed Full Impact? Old Source (1st Cavalry Division, 1992); New Source/ TM 55-1520-210-10, Para 5-10b, Nov 1993 Reason for Delete Comments Υ Changed Source? Υ Are There Any (2) Options? N Any Change to Record?

				IVVEL	JA Sys	stem r	Kules				
ID# 245 Sy	stem Na	me		UH-1			R	ule 1 # 80	Rule 2#	Delete Rule?	N
Old Color	2	lew Color 2						C	hanged C	olor? N	
Parameter 1 #	24	Old Param. 1 ID	turbulen	ceintensity	New P	aram. 1 I	D	Turbulence Inte	nsity	Changed Param. 1	? N
Parameter 2 #		Old Param. 2 ID			New P	aram. 2 I	D			Changed Param. 2	?
Old Value 1		2		New V	alue 1		Мо	derate		Changed Value1?	Y
Old Value 2				New V	alue 2					Changed Value 2?	Ī
Old Operator 1	>	New Opt. 1	>	Changed Opt. 1	1? N	Old Op	t. 2	New Opt.	2	Changed Opt. 2?	
Old Condense Impact	d	Turbulenc	e Aloft	New 0	Condense	ed	Seve	re Turbulence A	loft	Changed Condense Impact?	d Y
Old Full Impact	Upp	er-level turbulen	ce > mode	rate intensity	exceeds	the ope	rating	limits.			
New Full Impac	1	ntional flight into e) & (~turbuence			> moder	ate inter	nsity is	prohibited. If fli	ght level	is between (~turbule	ence
									Ch	anged Full Impact?	Y
Old Source	(1st Ca	valry Division, 19	92);								
New Source/ Reason for Delete	TM 55-	1520-210-10, Para	5-10a, No	v 1993							
Comments											
Changed Source		Υ		Are There Any			N			Change to Record?	Y
	stem Na			UH-1			R		Rule 2#	Delete Rule?	N
		New Color 1		14.4] n	4.1			hanged C		0 11
Parameter 1 #.		Old Param. 1 ID	pressu	ırealtitude	_	aram. 1 I		Pressure Altit	ude	Changed Param. 1	
Parameter 2 #		Old Param. 2 ID			_	aram. 2 I				Changed Param. 2	
Old Value 1		5000		New V			5(000 ft.	\exists	Changed Value 1?	N
Old Value 2		Now Oat 4		New V		014 0-	42	Now Oak		Changed Value 2?	
Old Operator 1		New Opt. 1		Changed Opt.				New Opt.		Changed Opt. 2?	
Old Condense Impact	d	Pressure A	Aititude	Impac	Condense t	ea	nıgı	n Pressure Altitu	ide	Changed Condense Impact?	d Y
Old Full Impact	Оре	rating performan	ice of rota	ry wing aircraf	t is decr	eased w	hen op	perating at press	ure altitu	des > 5000 ft.	
New Full Impac	ct Ope	erating performar	ice of rota	ry wing aircraf	t is decr	eased w	/hen op	perating at press	ure altitu	ides > 5000 ft.	
									Ch	anged Full Impact?	N
Old Source	(1st Ca	valry Division, 19	992);						Oll	anged Full Impact?	14
New Source/ Reason for Delete	TM 55-	1520-210-10, Cha 30, Para 5-8, Sep	pter 7, Feb	1997							
Comments											
Changed Source	ce? [Υ		Are There Any	(2) Optio	ons?	N		Any	Change to Record?	Y

		IWE	DA System	Rules			
ID # 247 Syste	m Name	UH-1		Rule 1 # 86	Rule 2#	Delete Rule?	? Y
Old Color 2	New Color				Changed C	olor?	لسسما
Parameter 1 #	13 Old Param. 1 ID	pressurealtitude	New Param.	1 ID		Changed Param. 1	?
Parameter 2 #	Old Param. 2 ID		New Param.	2 ID		Changed Param. 2	??
Old Value 1	10000	New V	alue 1			Changed Value1?	
Old Value 2		New V	alue 2			Changed Value 2?	
Old Operator 1	> New Opt. 1	Changed Opt.	1? Old 0	Opt. 2 New O	pt. 2	Changed Opt. 2?	
Old Condensed Impact	Pressure Al	titude New 0	Condensed ct			Changed Condensed Impact?	d
Old Full Impact	Operating performanc 10,000 ft. Actions may					essure altitudes >	
New Full Impact					Ch	anned Full Import2	
Old Source (1:	st Cavalry Division, 199	2):			Clie	anged Full Impact?	
New Source/ De	elete Rule: This is too rendition.		dition, pilot ha	s options. It is include	ed in > 5000 f	t as an amber	
Comments							
Changed Source?	Y	Are There Any	(2) Options:	N	Ally	Change to Record?	Y
ID # 248 Syste	m Name	UH-60		Rule 1 # 15	Rule 2 #	Delete Rule?	N
Old Color 2	New Color 1				Changed Co	olor? Y	
Parameter 1 #	22 Old Param. 1 ID	temperature	New Param. '	I ID Tempera	ture	Changed Param. 1	? N
Parameter 2 #	Old Param. 2 ID		New Param. 2	2 ID		Changed Param. 2	
Old Value 1	-29	New V	alue 1	- 29 F		Changed Value1?	N
Old Value 2		New V				Changed Value 2?	
Old Operator 1	<= New Opt. 1	< Changed Opt.		Opt. 2 New O	pt. 2	Changed Opt. 2?	
Old Condensed Impact	Cold	Impad	١.	Extreme Col	d	Changed Condensed Impact?	Y
Old Full Impact	Temperatuers < -29 F	exceed the operating li	mits with norm	nal service.			
New Full Impact	Temperatuers < -29 F e	exceed the operating li	mits with norm	al service.			
Old Source (1s	st Cavalry Division, 199	2);			Cha	anged Full Impact?	N
New Source/ Reason for Delete	1 55-1520-237-10, Para 8	3-45, Aug 93					
Comments Ex	pectation is that cold w	eather operations serv	vicing is availa	ble			
Changed Source?	Y	Are There Any	(2) Options?	N	Any (Change to Record?	Y

IWEDA System Rules ID# 249 System Name UH-60 Rule 1# 24 Rule 2# Delete Rule? N Old Color New Color Changed Color? 22 Old Param. 1 ID New Param. 1 ID Parameter 1 # temperature Temperature Changed Param. 1? N Parameter 2 # Old Param. 2 ID New Param. 2 ID Changed Param. 2? Old Value 1 100 New Value 1 100 F Changed Value 1? Old Value 2 New Value 2 Changed Value 2? Old Operator 1 Changed Opt. 1? N Old Opt. 2 New Opt. 1 New Opt. 2 Changed Opt. 2? Old Condensed Hot **New Condensed** Very Hot Changed Condensed Impact Impact Impact? Old Full Impact Temperatures >= 100 F degrade aircraft performance. New Full Impact Temperatures >= 100 F degrade aircraft performance. Changed Full Impact? N Old Source (1st Cavalry Division, 1992); TM 1-1520-237-10, Para 5.30, 5.31, Jun 1996 New Source/ Reason for Delete Comments Υ Υ Changed Source? Are There Any (2) Options? N Any Change to Record? UH-60 Delete Rule? ID# 250 System Name Rule 1# 32 Rule 2# Y Old Color 2 **New Color** Changed Color? thunderstorm Old Param. 1 ID New Param. 1 ID Thunderstorm Changed Param. 1? N Parameter 1 # Parameter 2 # Old Param. 2 ID New Param. 2 ID Changed Param. 2? Υ New Value 1 Changed Value 1? Old Value 1 yes New Value 2 Old Value 2 Changed Value 2? Changed Opt. 1? N Old Opt. 2 Changed Opt. 2? Old Operator 1 New Opt. 1 New Opt. 2 **New Condensed** Thunderstorm **Changed Condensed Old Condensed** Thunderstorm N Impact Impact? Impact Any occurrence of thunderstorms curtail aircraft and refueling operations due to safely considerations. Old Full Impact Intentional flight into thunderstorms is prohibited. Therefore, a delay in mission completion may result. New Full Impact Changed Full Impact? Υ Old Source (1st Cavalry Division, 1992); New Source/ TM 55-1520-237-10, para 5-45, Aug 93 Reason for Delete Comments Y Y Ν Changed Source? Are There Any (2) Options? Any Change to Record?

IWEDA System Rules ID # 251 UH-60 Rule 1# 56 Rule 2# Delete Rule? System Name 2 **New Color** Changed Color? Y Old Color Old Param, 1 ID freezingrain New Param. 1 ID Changed Param. 1? N Parameter 1 # 10 Freezing Rain New Param. 2 ID Changed Param. 2? Parameter 2 # Old Param. 2 ID Old Value 1 0 New Value 1 None Changed Value1? Old Value 2 New Value 2 Changed Value 2? Old Operator 1 New Opt. 1 Changed Opt. 1? N Old Opt. 2 New Opt. 2 Changed Opt. 2? Freezing Rain Old Condensed Freezing Rain **New Condensed** Changed Condensed N Impact Impact Impact? Any occurrence of freezing rain delays mission launch because exposed aircraft must be deiced. Old Full Impact New Full Impact Any occurrence of freezing rain delays mission launch because exposed aircraft must be deiced. Changed Full Impact? Ν Old Source (1st Cavalry Division, 1992); New Source/ TM 1-1520-237-10, Para 5.28, 8.42, Jun 1996 Reason for Delete Comments Υ Y N Any Change to Record? Changed Source? Are There Any (2) Options? Delete Rule? N **UH-60** Rule 1# 63 Rule 2# 252 System Name Changed Color? Υ Old Color 1 **New Color** Old Param. 1 ID Surface Wind Speed Changed Param. 1? 21 surfacewindspeed New Param. 1 ID Parameter 1 # Changed Param. 2? Parameter 2 # Old Param. 2 ID New Param. 2 ID 45 kts Changed Value1? Old Value 1 30 New Value 1 New Value 2 Changed Value 2? Old Value 2 Changed Opt. 1? Υ Old Opt. 2 New Opt. 2 Changed Opt. 2? Old Operator 1 New Opt. 1 Surface Wind New Condensed Stong Surface Wind Changed Condensed Old Condensed Impact Impact? Impact Old Full Impact Surface wind speed > 30 kts impacts the ability to take-off safely. New Full Impact Rotor should not be started or stopped when surface wind > 45 kts. Changed Full Impact? Υ Old Source (1st Cavalry Division, 1992); New Source/ TM 1-1520-237-10, Para 5.6.1, 5.8, and 5.25, Jun 1996 Reason for Delete Comments Υ Changed Source? Υ Are There Any (2) Options? N Any Change to Record?

				IWED	A Sy	stem Ru	les					
ID # 253 Syste	em Name			UH-60			Rule 1 #	68	Rule 2 #		Delete Rule	? Y
Old Color 2	New Co	olor							Changed	Color?		
Parameter 1 #	21 Old Pa	ıram. 1 ID	surfac	ewindspeed	New P	aram. 1 ID				Cha	nged Param.	1?
Parameter 2 #	Old Pa	ıram. 2 ID			New P	aram. 2 ID				Cha	inged Param. 2	2? 🔙
Old Value 1		45		New Va	alue 1					Chan	ged Value1?	
Old Value 2				New Va	alue 2					Chan	ged Value 2?	
Old Operator 1	> Ne	w Opt. 1		Changed Opt. 1	?	Old Opt. 2	N	lew Op	t. 2	Ch	anged Opt. 2?	
Old Condensed Impact		Surface	Wind	New C Impac	Condens t	ed				Chan	ged Condense ct?	:d
Old Full Impact	Surface w	ind speed	>= 45 kts	exceeds the sy	stem op	erating lim	its to take -	off.				
New Full Impact												
Old Source (1	st Cavalry [Division 16	102).						С	hanged	Full Impact?	
New Source/ Reason for	elete Rule: I			e ID# 252.								
Delete												
Comments												
Changed Source?	Y			Are There Any	(2) Optic	ons? N			Ally	y Chang	e to Record?	Υ
ID # 254 Syste	em Name			UH-60			Rule 1 #	77	Rule 2#	:	Delete Rule	? N
Old Color 1	New Co	olor 1							Changed		N	
Parameter 1 #	12 Old Pa	aram. 1 ID	icin	gintensity	New P	aram. 1 ID	lcin	g Inter	nsity	Cha	inged Param.	1? N
Parameter 2 #	Old Pa	aram. 2 ID			New P	aram. 2 ID				Cha	inged Param.	2?
Old Value 1		1		New Va	alue 1		Trace			Chan	ged Value1?	Υ
Old Value 2				New Va	alue 2					Chan	ged Value 2?	
Old Operator 1	> Ne	w Opt. 1	>=	Changed Opt. 1	1? Y	Old Opt. 2	N	lew Op	ot. 2	Ch	anged Opt. 2?	
Old Condensed Impact		Icing A	loft	New 0 Impac	Condens t	ed	lcing	Aloft		Chan Impa	ged Condense ct?	N
Old Full Impact	Upper-lev	el icing into	ensity > I	ight may degrad	le perfo	rmance.						
New Full Impact				Γrace is prohibit) and (∼lcing To			s equiped v	vith de	ice and a	nti-ice s	ystems, if flig	ht
				*			٦		C	hanged	Full Impact?	Υ
	Ist Cavalry											
New Source/ Reason for Delete	M 55-1520-2	37-10, para	a 5-40, Au	ıg 1993								
Comments												
Changed Source	? Y			Are There Any	(2) Optio	ons?	<u> </u>		An	v Chang	e to Record?	Υ

IWEDA System Rules ID # 255 **UH-60** Rule 1# 78 Rule 2# Delete Rule? System Name N Old Color **New Color Changed Color?** Parameter 1 # 12 Old Param. 1 ID icingintensity New Param. 1 ID Icing Intensity Changed Param. 1? N Parameter 2 # Old Param. 2 ID New Param. 2 ID Changed Param. 2? Moderate New Value 1 Changed Value1? Old Value 1 2 Old Value 2 New Value 2 Changed Value 2? Old Operator 1 Changed Opt. 1? N Old Opt. 2 Changed Opt. 2? New Opt. 1 New Opt. 2 Icing Aloft Old Condensed **New Condensed** Severe Icing Aloft Changed Condensed Impact Impact? Impact Old Full Impact IAW AR95-1, aircraft cannot fly into areas of icing intensity > moderate. Flight into icing intensity > Moderate is prohibited, if flight level is between (~lcing Base) and (~lcing Top) feet AGL. New Full Impact Changed Full Impact? Υ Old Source (1st Cavalry Division, 1992); TM 55-1520-237-10, para 5-40, Aug 1993 New Source/ Reason for Delete Comments Υ N Changed Source? Υ Are There Any (2) Options? Any Change to Record? UH-60 Rule 1# 79 Rule 2# Delete Rule? N 256 ID# System Name **New Color** 2 Changed Color? Y Old Color Changed Param. 1? N turbulenceintensity New Param, 1 ID **Turbulence Intensity** 24 Old Param. 1 ID Parameter 1 # Changed Param. 2? Parameter 2 # Old Param. 2 ID New Param. 2 ID Moderate Υ Old Value 1 New Value 1 Changed Value1? New Value 2 Changed Value 2? Old Value 2 Changed Opt. 1? N Old Opt. 2 Changed Opt. 2? Old Operator 1 New Opt. 1 New Opt. 2 **Turbulence Aloft New Condensed** Severe Turbulence Aloft Changed Condensed Old Condensed Y Impact? Impact Impact Upper-level turbulence > light intensity degrades flying safety. Old Full Impact New Full Impact Flight into turbulence intensity > Moderate is prohibited, if flight level is between (~ Turbulence Base) and (~

Υ

Old Source

New Source/

Changed Source?

Reason for Delete Comments

Turbulence Top) feet AGL.

TM 55-1520-237-10, para 5-40, Aug 1993

(1st Cavalry Division, 1992);

Ν

Are There Any (2) Options?

Changed Full Impact?

Any Change to Record?

Y

Y

		IV	VEDA Syst	em Rul	es			
ID # 257 Syste	em Name	UH-60			Rule 1 # 80	Rule 2#	Delete Rule?	N
Old Color 2	New Color 1					Changed C	olor? Y	
Parameter 1 #	24 Old Param. 1 ID	turbulenceintensi	ty New Para	am. 1 ID	Turbulence Ir	itensity	Changed Param. 1	? N
Parameter 2 #	Old Param. 2 ID		New Para	am. 2 ID			Changed Param. 2	!? 🔃
Old Value 1	2	Ne	ew Value 1		Moderate		Changed Value1?	Y
Old Value 2		Ne	ew Value 2				Changed Value 2?	
Old Operator 1	> New Opt. 1	<= Changed (Opt. 1? Y	Old Opt. 2	New Op	t. 2	Changed Opt. 2?	
Old Condensed Impact	Turbulenc		lew Condensed npact		Turbulence Alc	ft	Changed Condensed Impact?	d N
Old Full Impact	Upper-level turbulend	ce > moderate inten	sity exceeds th	e operati	ng limits.			
New Full Impact	Flight into turbulence between (~ Turbulence				& delay mission	completio	n, if flight level is	
Old Source (1	1st Cavalry Division, 19	92);				Ch	anged Full Impact?	Y
<u>-</u>	M 55-1520-237-10, para							
Comments								
Changed Source	? Y	Are There	Any (2) Options	? N]	Any	Change to Record?	Y
ID # 258 Syste	em Name	UH-60			Rule 1 # 85	Rule 2#	Delete Rule?	N
Old Color 1	New Color 1			_		Changed C		
Parameter 1 #	13 Old Param. 1 ID	pressurealtitude			Pressure Al	titude	Changed Param. 1	
Parameter 2 #	Old Param. 2 ID		New Para	m. 2 ID			Changed Param. 2	
Old Value 1	5000		ew Value 1		5000 ft.		Changed Value1?	N
Old Value 2			ew Value 2				Changed Value 2?	
Old Operator 1	> New Opt. 1	> Changed (Opt. 1? N	Old Opt. 2	New Op	t. 2	Changed Opt. 2?	-
Old Condensed Impact	Pressure A		lew Condensed mpact	ŀ	ligh Pressure Alt	itude	Changed Condensed Impact?	d Y
Old Full Impact	Operating performan	ce of rotary wing ai	rcraft is decrea	sed wher	operating at pre	ssure altitu	ides > 5000 ft.	
New Full Impact	Operating performan	ce of rotary wing ai	rcraft is decrea	sed wher	operating at pre	ssure altitu	ides > 5000 ft.	
						Ch	anged Full Impact?	N
	1st Cavalry Division, 19							
	TM 1-1520-237-10, Chap TM 1-230, Para 5-8, Sep							
Comments								
Changed Source	? Y	Are There	Any (2) Options	? N		Any	Change to Record?	Υ

IWEDA System Rules

ID # 259 System	m Name	UH-60	Rule 1#	86 Rule 2 #	# Delete Rule? Y			
Old Color 2	New Color				Changed	Color?		
Parameter 1 #	13 Old Param. 1 ID pres	surealtitude Ne	ew Param. 1 li)		Changed Param. 1?		
Parameter 2 #	Old Param. 2 ID	Ne	ew Param. 2 II	0		Changed Param. 2?		
Old Value 1	10000	New Value	a 1			Changed Value1?		
Old Value 2		New Value	∌ 2			Changed Value 2?		
Old Operator 1	> New Opt. 1	Changed Opt. 1?	Old Opt	. 2 Nev	v Opt. 2	Changed Opt. 2?		
Old Condensed Impact	Pressure Altitude	New Cond Impact	densed			Changed Condensed Impact?		
	Operating performance of rot 10,000 ft. Actions may be req					pressure altitudes >		
New Full Impact								
					•			
,					C	Changed Full Impact?		
Old Source (1s	t Cavalry Division, 1992);					- Learners		
New Source/ Reason for Delete	lete Rule: This is too restricti	ve as a red conditio	n, pilot has o	ptions. It is incl	uded as an ar	nber condition in > 5000		
Comments								
Changed Source?	Y	Are There Any (2)	Options?	N	An	y Change to Record?		

IWEDA Subsystem Rules

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IWEDA Subsystem Rules ISOLDIER EFFECTIVENESS! ID# 1 Subsystem Name Rule 1 # 7 Rule 2# Delete Rule? 2 N **New Color** Changed Color? Old Color Parameter 1 # 22 Old Param, 1 ID temperature New Param, 1 ID Temperature Changed Param, 1? N Parameter 2 # Old Param. 2 ID New Param. 2 ID Changed Param. 2? -25 Old Value 1 New Value 1 - 25 F Changed Value 1? Old Value 2 New Value 2 Changed Value 2? Changed Opt. 1? N Old Opt. 2 Old Operator 1 New Opt. 1 New Opt. 2 Changed Opt. 2? Cold **New Condensed** Old Condensed **Extreme Cold** Changed Impact Impact Condensed Impact? Old Full Impact Temperatures of -25 F or below make it very difficult for an exposed soldier to perform. New Full Impact For temperatures of - 25 F or below survial efforts required. Changed Full Impact Y **Old Source** (Battlefield Environment Division, 1995); FM 90-22, Chapter 1, Figure B-2, Jan 1991 **New Source** FM 31-71, Figure 2-1, Jun 1971 Comments Change to Source? Y Are There Any (2) Options? N Any Change to Record? ID# 2 Subsystem Name **!SOLDIER EFFECTIVENESS!** Rule 1 # 14 Rule 2# Delete Rule? **New Color** Changed Color? Old Color 22 Old Param. 1 ID temperature New Param. 1 ID Temperature Changed Param. 1? Parameter 1 # Parameter 2 # Old Param. 2 ID New Param. 2 ID Changed Param. 2? 10 New Value 1 10 F Old Value 1 Changed Value 1? Old Value 2 New Value 2 Changed Value 2? Old Operator 1 New Opt. 1 Changed Opt. 1? N Old Opt. 2 New Opt. 2 Changed Opt. 2? Old Condensed Cold **New Condensed** Very Cold Changed Condensed Impact? Impact Impact Old Full Impact | Temperatures of 10 F or below make it difficult for an unprotected soldier to perform. New Full Impact Temperatures of <= 10 F diminish performance and effectiveness. Changed Full Impact | Y Old Source (Battlefield Environment Division, 1995); **New Source** FM 90-22, Chapter 1, Figure B-2, Jan 1991 Comments Y N Y Change to Source? Are There Any (2) Options? Any Change to Record?

			IWE	DA Su	bsyst	em R	ules					
ID# 3 Sul	osystem Name	1:	SOLDIER EF	FECTIVEN	ESS!		Rule 1 #	19	Rule 2#		Delete Rule	? N
Old Color	1 Nev	v Color	1							CI	hanged Color?	N
Parameter 1 #	22 Old Parar	ıre	New P	aram. 1 II	D Te	empera	ture	Chan	ged Param. 17	? N		
Parameter 2 #	Old Param. 2 ID				New P	aram. 2 II	D			Chan	ged Param. 23	·
Old Value 1	85	Nev	New Value 1			85 F			Chang	jed Value 1?	N	
Old Value 2		Nev	New Value 2						Changed Value 2?			
Old Operator 1 >= New Opt. 1 >=			Changed	Opt. 1?	N Old	Opt. 2	Ne	w Opt.	2	CI	hanged Opt. 2	?
Old Condensed Impact		Hot		New Con-	densed		Но	t		Change Conder	ed nsed Impact?	N
Old Full Impact	Temperatures	of 85 F or	above degra	de crew ef	fectiven	ess and	performa	nce du	e to poss	ible he	at stress.	
New Full Impact	Temperatures	of 85 F or	above degra	de crew ef	fectiven	ess and	performa	nce du	e to poss	ible he	at stress.	
Old Source	(Battlefield Er	vironment	Division 199)5):						Chang	ed Full Impact	N
Old Godroc	(Dattieriera Li			,								
New Source	TBMED 507, S FM 90-22, Cha			1991								
Comments												
Change to Sour	ce? Y		Are 1	There Any	(2) Optio	ns? N]		Any	/ Chang	ge to Record?	Y
ID# 4 Sub	osystem Name	15	SOLDIER EFF	ECTIVEN	ESS!		Rule 1#	20	Rule 2#		Delete Rule	? N
Old Color	2 Nev	v Color	2							Ch	nanged Color?	N
Parameter 1 #	22 Old Parar	n. 1 ID	temperatu	mperature New Param. 1 II			D Temperature			Chan	ged Param. 1?	N
Parameter 2 #	Old Parar	n. 2 ID			New Param. 2 ID				Changed Param. 2?		' [
Old Value 1	95		New	New Value 1		95 F			Changed Va		ed Value 1?	N
Old Value 2	0ld Value 2			New Value 2						Changed Value 2?		
Old Operator 1	>= New O	pt. 1 >=	Changed	Opt. 1? [N Old	Opt. 2	Ne	w Opt. 2	2	Cł	nanged Opt. 27	?
Old Condensed Hot Impact				New Cond Impact			densed Hot					N
Old Full Impact	Temperatures	of 95 F or	above degrad	de crew ef	fectiven	ess and p	performa	nce du	e to prob	able he	at stress.	
New Full Impact	Wet bulb temp	peratures >	- 95 F severe	ly degrade	effectiv	reness ar	nd perfor	mance	due to he	at stre	ss.	
0110	(D. W. C. 1.1.		District 400	P1.						Chang	ed Full Impact	Y
Old Source	(Battlefield Er	vironment	Division, 198	(a);								
New Source	TBMED 507, S FM 90-22, Cha											
Comments												
Change to Sour	ce? Y		Are 7	There Any	(2) Optio	ns? N]		Any	/ Chang	ge to Record?	Y

IWEDA Subsystem Rules

ID# 5 Subs	system Name !So	OLDIER EFFECTIVEN	IESS!	Rule 1 # 84	Rule 2 # Delete Rule?	N					
Old Color	2 New Color	2			Changed Color?	N					
Parameter 1 # 2	Old Param. 1 ID	windchill	New Param. 1 I	D Wind Ch	nill Changed Param. 1?	N					
Parameter 2 #	Old Param. 2 ID		New Param. 21	D	Changed Param. 2?						
Old Value 1	-25	New Value 1	_	- 25 F	Changed Value 1?	N					
Old Value 2		New Value 2			Changed Value 2?	ī					
Old Operator 1	< New Opt. 1 <	Changed Opt. 1?	N Old Opt. 2	New Opt. 2	Changed Opt. 2?	Ī					
Old Condensed Impact	Wind Chill	New Con Impact	densed	Low Wind Chill	Changed Condensed Impact?	Y					
New Full Impact Effective temperatures < -25 F make it very difficult for a soldier to perform without shelter and presents danger of freezing exposed flesh.											
Old Source	Battlefield Environment D	Division, 1995);			Changed Full Impact	N					
New Source	New Source FM 90-22, Chapter 1, Figure B2, Jan 1991										
Comments						$\overline{}$					
Change to Source 2 V Are Thorn Any (2) Options 2 N											
Change to Source	∍? Y	Are There Any	(2) Options? N	 П	Any Change to Record?	Y					
Change to Source	e? Y	Are There Any	(2) Options? N		Any Change to Record?	Y					
Change to Source	9? Y	Are There Any	(2) Options? N		Any Change to Record?	Y					
	e? Y	Are There Any	(2) Options? N	•		Y					
ID# 6 Subs			(2) Options? N	•	Rule 2 # Delete Rule?						
ID# 6 Subs	system Name	120MM GUN	(2) Options? N	Rule 1 # 41	Rule 2 # Delete Rule? [I	N					
ID# 6 Subs	system Name	120MM GUN		Rule 1 # 41 D Visibilit	Rule 2 # Delete Rule? [I	N N					
ID # 6 Subs Old Color Parameter 1 # 2	system Name 1 New Color 26 Old Param. 1 ID	120MM GUN	New Param. 1 I	Rule 1 # 41 D Visibilit	Rule 2 # Delete Rule? I Changed Color? I ty Changed Param. 1? I Changed Param. 2?	N N					
ID# 6 Subs Old Color Parameter 1 # 2 Parameter 2 #	system Name 1 New Color 26 Old Param. 1 ID Old Param. 2 ID	120MM GUN 1 visibility	New Param. 1 I	Rule 1 # 41 D Visibilit	Rule 2 # Delete Rule? I Changed Color? I ty Changed Param. 1? I Changed Param. 2?	N N					
ID # 6 Subs Old Color Parameter 1 # 2 Parameter 2 # Old Value 1	system Name 1 New Color 26 Old Param. 1 ID Old Param. 2 ID	120MM GUN 1 visibility New Value 1	New Param. 1 I New Param. 2 I	Rule 1 # 41 D Visibilit	Rule 2 # Delete Rule? I Changed Color? I ty Changed Param. 1? I Changed Param. 2? Changed Value 1? I Changed Value 2?	N N					
ID # 6 Subs Old Color Parameter 1 # 2 Parameter 2 # Old Value 1	System Name 1 New Color 26 Old Param. 1 ID Old Param. 2 ID 3000	120MM GUN 1 visibility New Value 1 New Value 2 Changed Opt. 1?	New Param. 1 I New Param. 2 I 300 N Old Opt. 2	Rule 1 # 41 D Visibilif	Rule 2 # Delete Rule? I Changed Color? I ty Changed Param. 1? I Changed Param. 2? Changed Value 1? Changed Value 2? Changed Value 2? Changed Opt. 2?	N N					
ID # 6 Subs Old Color Parameter 1 # 2 Parameter 2 # Old Value 1 Old Value 2 Old Operator 1 Old Condensed Impact	System Name 1 New Color 26 Old Param. 1 ID Old Param. 2 ID 3000 <	120MM GUN 1 visibility New Value 1 New Value 2 Changed Opt. 1? [ity New Cor	New Param. 1 I New Param. 2 I 300 N Old Opt. 2	Rule 1 # 41 Visibilit D Visibilit D New Opt. 2 Reduced Visibility	Rule 2 # Delete Rule? It Changed Color? It ty Changed Param. 1? It Changed Param. 2? Changed Value 1? Changed Value 2? Changed Opt. 2? The Changed Opt. 2? Changed Changed	N N N					
ID # 6 Subs Old Color Parameter 1 # 2 Parameter 2 # Old Value 1 Old Value 2 Old Operator 1 Old Condensed Impact Old Full Impact	System Name 1 New Color 26 Old Param. 1 ID Old Param. 2 ID 3000	120MM GUN 1 visibility New Value 1 New Value 2 Changed Opt. 1? [ity New Corlimpact m) reduces the maxim	New Param. 1 I New Param. 2 I 300 N Old Opt. 2 Idensed F	Rule 1 # 41 D Visibility O meters New Opt. 2 Reduced Visibility nge.	Rule 2 # Delete Rule? It Changed Color? It ty Changed Param. 1? It Changed Param. 2? Changed Value 1? Changed Value 2? Changed Opt. 2? The Changed Opt. 2? Changed Changed	N N N					
ID # 6 Subs Old Color Parameter 1 # 2 Parameter 2 # Old Value 1 Old Value 2 Old Operator 1 Old Condensed Impact Old Full Impact	System Name 1 New Color 26 Old Param. 1 ID 3000 3000 New Opt. 1 <= Reduced Visibili Visiblity < 1.8 miles (3000	120MM GUN 1 visibility New Value 1 New Value 2 Changed Opt. 1? [ity New Corlimpact m) reduces the maxim	New Param. 1 I New Param. 2 I 300 N Old Opt. 2 Idensed F	Rule 1 # 41 D Visibility O meters New Opt. 2 Reduced Visibility nge.	Changed Color? ty Changed Param. 1? Changed Param. 2? Changed Value 1? Changed Value 2? Changed Opt. 2? Changed Changed Changed Changed Changed Changed	N N N					
ID # 6 Subs Old Color Parameter 1 # 2 Parameter 2 # Old Value 1 Old Value 2 Old Operator 1 Old Condensed Impact Old Full Impact New Full Impact	System Name 1 New Color 26 Old Param. 1 ID 3000 3000 New Opt. 1 <= Reduced Visibili Visiblity < 1.8 miles (3000	120MM GUN 1 visibility New Value 1 New Value 2 Changed Opt. 1? [ity New Cor Impact m) reduces the maxim	New Param. 1 I New Param. 2 I 300 N Old Opt. 2 Idensed F	Rule 1 # 41 D Visibility O meters New Opt. 2 Reduced Visibility nge.	Rule 2 # Delete Rule? I Changed Color? I ty Changed Param. 1? I Changed Param. 2? Changed Value 1? Changed Value 2? Changed Opt. 2? Y Changed Condensed Impact?						
ID # 6 Subs Old Color Parameter 1 # 2 Parameter 2 # Old Value 1 Old Value 2 Old Operator 1 Old Condensed Impact Old Full Impact New Full Impact Old Source New Source	New Color Old Param. 1 ID Old Param. 2 ID 3000 New Opt. 1 <= Reduced Visibili Visiblity < 1.8 miles (3000 Visiblity < 1.8 miles (3000 (1st Cavalry Division, 1992) FM 34-81-1, Appendix C-4	120MM GUN 1 visibility New Value 1 New Value 2 Changed Opt. 1? [ity New Cor Impact m) reduces the maxim m) reduces the maxim 2); p. Dec 1992 PERATION DESERT S	New Param. 1 I New Param. 2 I 300 N Old Opt. 2 Indensed I mum effective ra	Rule 1 # 41 D Visibility D New Opt. 2 Reduced Visibility nge.	Rule 2 # Delete Rule? I Changed Color? I ty Changed Param. 1? I Changed Param. 2? Changed Value 1? Changed Value 2? Changed Opt. 2? Y Changed Condensed Impact?						
ID # 6 Subs Old Color Parameter 1 # 2 Parameter 2 # Old Value 1 Old Value 2 Old Operator 1 Old Condensed Impact Old Full Impact New Full Impact Old Source New Source	New Color Old Param. 1 ID Old Param. 2 ID 3000 New Opt. 1 <= Reduced Visibili Visiblity < 1.8 miles (3000 Visiblity < 1.8 miles (3000 (1st Cavalry Division, 1992 FM 34-81-1, Appendix C-4 GAO Report Jan 1992. OP	120MM GUN 1 visibility New Value 1 New Value 2 Changed Opt. 1? [ity New Cor Impact m) reduces the maxim m) reduces the maxim 2); p. Dec 1992 PERATION DESERT S	New Param. 1 I New Param. 2 I 300 N Old Opt. 2 Indensed I mum effective ra	Rule 1 # 41 D Visibility D New Opt. 2 Reduced Visibility nge.	Rule 2 # Delete Rule? I Changed Color? I ty Changed Param. 1? I Changed Param. 2? Changed Value 1? Changed Value 2? Changed Opt. 2? I Changed Condensed Impact? Changed Full Impact I						

IWEDA Subsystem Rules 120MM GUN ID# 7 Rule 1# 44 Rule 2# Delete Rule? Subsystem Name Old Color **New Color** Changed Color? visibility New Param. 1 ID Changed Param. 1? Parameter 1 # 26 Old Param. 1 ID Old Param. 2 ID New Param. 2 ID Changed Param. 2? Parameter 2 # 2500 New Value 1 Changed Value 1? Old Value 1 New Value 2 Changed Value 2? Old Value 2 Changed Opt. 1? Old Opt. 2 New Opt. 2 Changed Opt. 2? Old Operator 1 New Opt. 1 Reduced Visibility **New Condensed** Changed Old Condensed Condensed Impact? Impact Impact Old Full Impact Visibility < 1.5 miles (2500 m) reduces the maximum effective range. New Full Impact Changed Full Impact (1st Cavalry Division, 1992); Old Source New Source Delete Rule: No reference in FM 34-81-1, Dec 1992. Distance included in ID# 6 as an amber. Comments Are There Any (2) Options? N Any Change to Record? Change to Source? Y 8 Subsystem Name 120MM GUN Rule 1 # 68 Rule 2 # Delete Rule? N

<i></i>	Cubbyoto	III I Tallio)		
Old Color	2	New Color	1							Changed Color?	Y
Parameter 1	# 21 (21 Old Param. 1 ID s		surfacewindspeed		New Param. 1 ID Surface Wind S		Surface Wind Sp	peed Changed Param. 1?		N
Parameter 2	# (Old Param. 2 ID								Changed Param. 2?	
Old Value 1		45		New	45				Changed Value 1?	N	
Old Value 2				New	Value 2					Changed Value 2?	
Old Operato	r 1 >	New Opt. 1	>	Changed	Opt. 1? 🚺	Old Op	ot. 2	New Opt. 2		Changed Opt. 2?	
Old Condens mpact	sed	d Surface Wind			New Condensed Strong Surface W			ng Surface Wind		Changed Condensed Impact?	Y
Old Full Impact Surface wind speed >= 45 kts exceeds the limit for input into the ballistic computer.											
New Full Impact Surface wind speed >= 45 kts exceeds the limit for input into the ballistic computer.											
										Changed Full Impact	N
Old Source	(1st C	Cavalry Division	, 1992);								
New Source	FM 34	4-81-1, Appendi	x C-1, D	ec 1992							
Comments		1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1									
Change to S	ource?	Υ		Are T	here Anv (2) Options	? N		An	/ Change to Record?	Y

IWEDA Subsystem Rules ID# 9 Subsystem Name 2.75 INCH ROCKET Rule 1# 55 Rule 2# Delete Rule? N Old Color **New Color** Changed Color? Y Parameter 1 # 10 Old Param, 1 ID freezingrain New Param. 1 ID Freezing Rain Changed Param. 1? N Parameter 2 # Old Param. 2 ID New Param. 2 ID Changed Param. 2? Old Value 1 1 New Value 1 None Changed Value 1? Old Value 2 New Value 2 Changed Value 2? Changed Opt. 1? N Old Opt. 2 Old Operator 1 New Opt. 1 New Opt. 2 Changed Opt. 2? Freezing Rain New Condensed Freezing Rain Old Condensed Changed N Condensed Impact? Impact Impact Old Full Impact Freezing rain > light intensity may cause the rocket to hang-fire. New Full Impact Firing the 2.75 inch rocket is prohibited with freezing rain > none because the rocket may be held captive in the launcher tube. Changed Full Impact Y Old Source (1st Cavalry Division, 1992); **New Source** TM 55-1520-236-10, Para 8-51, 8-81, Aug 1994 Comments Change to Source? Υ Y Are There Any (2) Options? Ν Any Change to Record? 2.75 INCH ROCKET Rule 1 # 82 Rule 2 # Delete Rule? ID# 10 Subsystem Name Old Color **New Color** Changed Color? Ν Changed Param. 1? 25 Old Param. 1 iD upperairwindspeed New Param. 1 ID Upperair Wind Speed N Parameter 1 # Old Param. 2 ID New Param, 2 ID Changed Param. 2? Parameter 2 # Old Value 1 25 New Value 1 25 kts. Changed Value 1? New Value 2 Changed Value 2? Old Value 2 Changed Opt. 1? N Old Opt. 2 Changed Opt. 2? Old Operator 1 New Opt. 1 New Opt. 2 Winds Aloft Winds Aloft Changed Old Condensed **New Condensed** Impact Condensed Impact? Impact Old Full Impact Upper-level wind speed > 25 kts degrades target impact effectiveness. New Full Impact Upper-level wind speed > 25 kts. degrades target impact effectiveness. Changed Full Impact N Old Source (1st Cavalry Division, 1992); Personal interview with SME, 14 Nov 1997, CW4 Ronald C. Moring, Regiment Master Gunner, 229 Attack **New Source** Helicopter Regiment, Ft. Bragg, NC. Comments

Are There Any (2) Options?

Υ

Change to Source?

		IWE	DA Sul	osyst	tem R	ules					
ID # 11 Su	bsystem Name	25MN	M GUN			Rule 1#	44	Rule 2#		Delete Rule	? N
Old Color	2 New Color	1							С	hanged Color?	Y
Parameter 1 #	26 Old Param. 1 ID	visibility	У	New P	aram. 1 li	D	Visibil	ity	Char	ged Param. 13	? N
Parameter 2 #	Old Param. 2 ID			New P	aram. 2 II	D			Chan	ged Param. 27	<u> </u>
Old Value 1	2500	New	Value 1		200	0 meters			Chang	ged Value 1?	Υ
Old Value 2		New	Value 2						Chang	ged Value 2?	
Old Operator 1	< New Opt. 1	< Changed	Opt. 1? [Oid	Opt. 2	Ne	w Opt.	2	C	hanged Opt. 2	?
Old Condensed Impact	Reduced Vi	sibility	New Cond Impact	iensed		Low Vis	sibility		Change Conde	ed nsed Impact?	Y
Old Full Impact	Visibility < 1.5 miles (2500 m) reduces	the maxin	num eff	ective ra	nge.					
New Full Impac	Visibility < 1.2 miles (2000 m) reduces	the maxin	num eff	ective ra	nge					
014 0	(4-4 Q	4000)							Chang	ged Full Impact	Y
Old Source	(1st Cavalry Division,	1992);									
New Source	FM 23-1, Para 1-8, Ma	r 1996			110						
Comments											
Change to Sour	ce? Y	Aro 7	There Any (2\ Ontio	ns? N	٦	-	Λ	Chan	ge to Record?	Υ
ID# 12 Sul	osystem Name	зомм с	ANNON			Rule 1#	46	Rule 2 #		Delete Rule	? N
Old Color	1 New Color	1							C	hanged Color?	
Parameter 1 #	26 Old Param. 1 ID	visibility	,	New Pa	aram. 1 II	0	Visibil	itv		ged Param. 1?	
Parameter 2 #	Old Param. 2 ID				aram. 2 II				1	ged Param. 2?	
Old Value 1	4000	New	Value 1	<u> </u>	200	0 meters			1	ed Value 1?	Y
Old Value 2		New	Value 2						Chang	ed Value 2?	
Old Operator 1	< New Opt. 1	< Changed	Opt. 1? N	Old	Opt. 2	Ne	w Opt.	2	ີ ci	nanged Opt. 2?	,
Old Condensed Impact	Reduced Vi		New Cond			Low Vis			 Change		Y
Old Full Impact	Visibility < 2.5 miles (4000 m) reduces	the operat	ting cap	pability.					· · · · · · · · · · · · · · · · · · ·	
New Full Impact	Visibility < 1.25 miles	(2000 m) reduce	s the acqu	isition	capability	y-					
Old Course	(4.40 L D: ::	4000							Chang	ed Full Impact	Y
Old Source	(1st Cavalry Division,	1992);									
New Source	Personal interview wi Helicopter Regiment,		1997, CW4	Ronald	C. Mori	ng, Regir	ment M	aster Gun	ner, 22	29 Attack	
Comments											
Change to Sour	ce? Y	Are T	here Any (2	2) Optio	ns? N]		Any	Chang	ge to Record?	Y

IWEDA Subsystem Rules ID# 13 30MM MACHINE GUN Rule 1 # 74 Subsystem Name Rule 2# Delete Rule? Y Old Color **New Color** Changed Color? Parameter 1 # 21 Old Param. 1 ID surfacewindspeed New Param. 1 ID Changed Param. 1? Parameter 2 # Old Param, 2 ID New Param, 2 ID Changed Param. 2? Old Value 1 17 New Value 1 Changed Value 1? Old Value 2 New Value 2 Changed Value 2? Old Operator 1 New Opt. 1 Changed Opt. 1? Old Opt. 2 New Opt. 2 Changed Opt. 2? Old Condensed Surface Wind **New Condensed** Changed **Impact** Impact Condensed Impact? Old Full Impact Surface wind speed >= 17 kts makes accurate firing of the weapon difficult. New Full Impact Changed Full Impact Old Source (1st Cavalry Division, 1992); **New Source** Delete Rule: Personal interview with SME, 14 Nov 1997, CW4 Ronald C. Moring, Regiment Master Gunner, 229 Attack Helicopter Regiment, Ft. Bragg, NC. Comments Change to Source? Y Are There Any (2) Options? Any Change to Record? 7.62MM COAX MACHINE GUN ID# 14 43 Ν Subsystem Name Rule 1# Rule 2# Delete Rule? **New Color** Changed Color? N Old Color Parameter 1 # 26 Old Param. 1 ID visibility New Param. 1 ID Visibility Changed Param. 1? New Param. 2 ID Changed Param. 2? Parameter 2 # Old Param. 2 ID 800 meters Old Value 1 300 New Value 1 Changed Value 1? Old Value 2 New Value 2 Changed Value 2? Changed Opt. 1? N Old Operator 1 New Opt. 1 Old Opt. 2 New Opt. 2 Changed Opt. 2? Very Low Visibility Old Condensed **Reduced Visibility New Condensed** Changed Impact Impact Condensed Impact? Old Full Impact Visibility < 0.2 mile (300 m) reduces the maximum effective range. New Full Impact Visibility < 0.5 mile (800 m) reduces the maximum effective range. Changed Full Impact Old Source (1st Cavalry Division, 1992); **New Source** FM 23-1, Para 1-4, Mar 1996 Comments

Υ

Change to Source?

Ν

Are There Any (2) Options?

Υ

IWEDA Subsystem Rules AERIAL FORWARD OBSERVER ID# 15 Subsystem Name Rule 1# 38 Rule 2# Delete Rule? Ν Old Color New Color Changed Color? Ν visibility New Param. 1 ID Visibility Changed Param. 1? N Parameter 1 # 26 Old Param. 1 ID Old Param, 2 ID New Param. 2 ID Changed Param. 2? Parameter 2 # New Value 1 3500 meters 3500 Changed Value 1? N Old Value 1 New Value 2 Changed Value 2? Old Value 2 Old Operator 1 New Opt. 1 Changed Opt. 1? | N | Old Opt. 2 New Opt. 2 Changed Opt. 2? **Reduced Visibility** Old Condensed **Reduced Visibility New Condensed** Changed N Condensed Impact? Impact Impact Old Full Impact Visibility <= 2.1 miles (3500 m) makes it difficult to safely and effectively observe friendly fire. New Full Impact Visibility <= 2.1 miles (3500 m) makes it difficult to safely and effectively observe friendly fire. Changed Full Impact N (1st Cavalry Division, 1992); Old Source FM 34-81-1, Page D-4, Dec 1992 **New Source** FM 90-22, Chapter 1, Section "Adverse Weather," Para "Visibility," Jan 1991 Comments Y Ν Any Change to Record? Y Change to Source? Are There Any (2) Options? **AERIAL FORWARD OBSERVER** 94 Rule 2# 94 Delete Rule? N Rule 1 # ID# 16 Subsystem Name Changed Color? N Old Color **New Color** 1 Cloud Cover Changed Param. 1? N Old Param. 1 ID cloudcover New Param. 1 ID Parameter 1 # 4 Changed Param. 2? N Parameter 2 # Old Param. 2 ID cloudbase New Param. 2 ID **Cloud Base** Changed Value 1? Υ 0 New Value 1 None Old Value 1 800 New Value 2 800 ft. Changed Value 2? N Old Value 2 Changed Opt. 2? N Changed Opt. 1? N Old Opt. 2 <= New Opt. 2 Old Operator 1 New Opt. 1 New Condensed Very Log Clouds Changed Old Condensed Clouds Impact Condensed Impact? **Impact** Old Full Impact Cloud bases <= 800 feet make it difficult to acquire and identify targets. New Full Impact Cloud bases <= 800 feet make it difficult to acquire and identify targets. Changed Full Impact N Old Source (1st Cavalry Division, 1992); FM 90-22, Chapter 1, Section "Adverse Weather," Para "Clouds," Jan 1991 **New Source** Comments

Are There Any (2) Options?

Y

Any Change to Record?

Υ

Υ

Change to Source?

					,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			Alanda da d		***************************************	
ID# 17 Sub	osystem Nai	me	AERIAL FOR	WARD OBSE	RVER	Ri	ule 1 # 95	Rule 2	# 95	Delete Rule	? N
Old Color	2	New Color	2				L,J		CI	nanged Color?	N
Parameter 1 #	4 Old P	aram. 1 ID	cloude	over	New Pa	ram. 1 ID	Cloud Co	over	Chan	ged Param. 1	? N
Parameter 2 #	3 Old P	aram. 2 ID	cloud	base	New Pa	ram. 2 ID	Cloud B	lase	Chan	ged Param. 2	? N
Old Value 1		0		lew Value 1		No	ne		Chang	ed Value 1?	Y
Old Value 2		500		lew Value 2		500	ft.		Chang	ed Value 2?	N
Old Operator 1	> Nev	w Opt. 1	> Chang	ged Opt. 1?	N Old C	pt. 2	<= New Opt.	2 <=	- CI	nanged Opt. 2	? N
Old Condensed Impact		Clouds		New Condimpact	densed	Ver	y Low Clouds	5	Change Conder	ed nsed Impact?	Y
Old Full Impact	Cloud bas	es <= 500 fe	et make it ve	ry difficult to	acquire	and identi	fy targets.		112 90 10 90 10		
New Full Impact	Cloud bas	es <= 500 fe	et make it ve	ry difficult to	acquire	and identi	fy targets.				
									Chang	ed Full Impac	t N
Old Source	(1st Caval	ry Division,	1992);								
New Source	FM 90-22,	Chapter 1, S	Section "Adve	erse Weather	," Para "(Clouds," J	an 1991				
Comments											
Change to Sour	ce?		Ai	re There Any	(2) Option	s? Y		Α	ny Chang	ge to Record?	Y
ID# 18 Sul	osystem Na	me	AN/MPQ-	53 RADAR S	ET	R	ule 1 # 5	Rule 2	#	Delete Rule	? N
Old Color	2	New Color	2						CI	nanged Color	N
Parameter 1 #	16 Old P	aram. 1 ID	slo	pe	New Pa	ram. 1 ID	Slope	9	Chan	ged Param. 1	? N
Parameter 2 #	Old P	aram. 2 ID			New Pa	ram. 2 ID [Chan	ged Param. 2	?
Old Value 1		10		lew Value 1		10 De	grees		Chang	ed Value 1?	N
Old Value 2			N	lew Value 2					Chang	jed Value 2?	
Old Operator 1	>= Ne	w Opt. 1	>= Chang	ged Opt. 1?	N Old C	pt. 2	New Opt.	2	CI	hanged Opt. 2	?
Old Condensed Impact		Slope		New Con-	densed		Slope		Change Conde	ed nsed Impact?	N
Old Full Impact	When care degrees.	ried on the I	/I-860 semi-tr	ailer (HEMTT	trailer) t	ne radar ca	an only be em	placed	when slo	opes are <= 1	0
New Full Impac	When carr	ried on the I	/I-860 semi-tr	ailer (HEMTT	trailer) t	ne radar ca	an only be em	placed	when slo	opes are <= 1	0
	uegrees.			101.4					Ob	C. II I	4 1
Old Source	(1st Caval	ry Division,	1992)-						Chang	jed Full Impac	t N
Old Source	(13t Gavai	ry Division,	1002/,								
New Source	FM 44-85,	Page B-24,	Feb 1997								
				<u>-</u>							
Comments	Note: This	s is also a co	orrection of th	ne subsysten	n name fr	om AN/MF	PG-53 Radar S	Set to Al	N/MPQ-5	3 Radar Set	

		IWEDA Sul	bsystem Ru	ules			
ID# 19 Su	bsystem Name	DAY PERISCOPE		Rule 1 # 37	Rule 2#	Delete Rule	? N
Old Color	1 New Color	1				Changed Color?	N
Parameter 1 #	26 Old Param. 1 ID	visibility	New Param. 1 II	Visibil	ity	Changed Param. 17	N
Parameter 2 #	Old Param. 2 ID		New Param. 2 IE			Changed Param. 27	· [
Old Value 1	1000	New Value 1	1500	0 meters		Changed Value 1?	Y
Old Value 2		New Value 2				Changed Value 2?	
Old Operator 1	< New Opt. 1 <	Changed Opt. 1?	N Old Opt. 2	New Opt.	2	Changed Opt. 21	?
Old Condensed Impact	Reduced Visibil	ity New Cond Impact	tensed	Low Visibility		Changed Condensed Impact?	Y
Old Full Impact	Any occurrence of visibil	ty < 0.6 mile (1000 m) (decreases the we	eapon sighting	capability	•	
New Full Impac	Any occurrence of visibili	ty < 0.9 mile (1500 m) (decreases the we	eapon sighting	capability	•	
						Changed Full Impact	Y
Old Source	(1st Cavalry Division, 199	2);					اسسا
New Source	Personal interview with S	ME 12 nov 1997, CSM I	D. Schwab, HHC	1-52 AR Btn, N	CANG, Ft.	Bragg, NC	
Comments	Original rule dealt with M	1. Therefore used sour	ce from M1 syste	em rule ID 146.	\$		
Change to Sour	ce? Y	Are There Any (2) Options? N		Any	Change to Record?	Y
ID# 20 Sul	osystem Name	DAY PERISCOPE		Rule 1 # 134	Rule 2 #	134 Delete Rule?	N
Old Color	1 New Color					Changed Color?	
Parameter 1 #	26 Old Param. 1 ID	visibility	New Param. 1 ID	Visibil	ity	Changed Param. 1?	N
Parameter 2 #	1 Old Param. 2 ID	blowingsand	New Param. 2 ID	Blowing	Sand	Changed Param. 2?	N
Old Value 1	1000	New Value 1	1500) meters		Changed Value 1?	Y
Old Value 2	1	New Value 2		Yes		Changed Value 2?	Y
Old Operator 1	< New Opt. 1 <	Changed Opt. 1? N	Old Opt. 2	= New Opt.	2 =	Changed Opt. 2?	N
Old Condensed Impact	Sandstorm	New Cond Impact	ensed	Sandstorm		Changed Condensed Impact?	N
Old Full Impact	Any occurrence of blowin	g sand and visibility <	0.6 mile (1000 m) decreases the	weapon	sighting capability.	
New Full Impact	Any occurrence of blowin	g sand and visibility <	0.9 mile (1500 m) decreases the	weapon	sighting capability.	
Old Course	(Ant Country Divinion 400)	n.				Changed Full Impact	Υ
Old Source	(1st Cavalry Division, 199	4),			. 23		
New Source	Personal interview with S	ME 12 Nov 1997, CSM I	D. Schwab, HHC	1-52 AR Btn, N	CANG, Ft.	Bragg, NC	
Comments	Original rule dealt with M1	. Therefore used source	ce from M1 syste	em rule ID 146.			
Change to Sour	ce? Y	Are There Any (2	2) Options? Y	* ************************************	Any	Change to Record?	Y

IWEDA Subsystem Rules DAY PERISCOPE ID# 21 Subsystem Name Rule 1 # 135 Rule 2 # 135 Delete Rule? N Old Color **New Color** Changed Color? N Parameter 1 # 26 Old Param. 1 ID visibility New Param. 1 ID Visibility Changed Param. 1? N Parameter 2 # 9 Old Param. 2 ID fog New Param. 2 ID Fog Changed Param. 2? Ν Old Value 1 1000 New Value 1 1500 meters Changed Value 1? Υ Old Value 2 1 New Value 2 Yes Changed Value 2? Υ Old Operator 1 New Opt. 1 Changed Opt. 1? N Old Opt. 2 = New Opt. 2 Changed Opt. 2? N Old Condensed Fog and Reduced Visibility New Condensed Low Visibility Changed Ν Impact Impact Condensed Impact? Old Full Impact Any occurrence of fog and visibility < 0.6 mile (1000 m) decreases the weapon sighting capability. New Full Impact Any occurrence of fog and visibility < 0.9 mile (1500 m) decreases the weapon sighting capability. Changed Full Impact Y Old Source (1st Cavalry Division, 1992); Personal interview with SME 12 Nov 1997, CSM D. Schwab, HHC 1-52 AR Btn, NCANG, Ft. Bragg, NC **New Source**

Original rule dealt with M1. Therefore used source from M1 system rule ID 146.

Are There Any (2) Options?

Υ

ID # 22 Sub	system Name	DAY PERISCOPE	R	tule 1 # 136 Rule	e 2 # 136 Delete Rule? N
Old Color	1 New Color	1			Changed Color? N
Parameter 1 #	26 Old Param. 1 ID	visibility	New Param. 1 ID	Visibility	Changed Param. 1? N
Parameter 2 #	7 Old Param. 2 ID	drizzle	New Param. 2 ID	Drizzle	Changed Param. 2? N
Old Value 1	1000	New Value 1	1500 :	meters	Changed Value 1? Y
Old Value 2	O	New Value 2	No	one	Changed Value 2?
Old Operator 1	< New Opt. 1 <	Changed Opt. 1?	N Old Opt. 2	> New Opt. 2	> Changed Opt. 2? N
Old Condensed Impact	Drizzle and Reduced \	/isibility New Condition	densed L	ow Visibility	Changed Condensed Impact?
Old Full Impact	Any occurrence of drizzle	and visibility < 0.6 mi	le (1000 m) decrea	ses the weapon si	ghting capability.
New Full Impact	Any occurrence of drizzle	and visibility < 0.9 mi	le (1500 m) decrea	ses the weapon si	ighting capability.
					Changed Full Impact Y
Old Source	(1st Cavalry Division, 199	2);			
New Source	Personal interview with S	ME 12 Nov 1997, CSM	D. Schwab, HHC 1	I-52 AR Btn, NCAN	IG, Ft. Bragg, NC
Comments	Original rule dealt with M	1. Therefore used soul	rce from M1 syster	m rule ID 146.	
Change to Source	ce? Y	Are There Any	(2) Options?		Any Change to Record?

Comments

Change to Source?

Υ

Y

ID # 23 Subsystem Name DAY PERISCOPE Rule 1 # 137 Rule 2 # 137 Delete Rule Old Color 1 New Color 1 Changed Color Parameter 1 # 26 Old Param. 1 ID visibility New Param. 1 ID Visibility Changed Param. 1 Parameter 2 # 14 Old Param. 2 ID rain New Param. 2 ID Rain Changed Param. 2 Old Value 1 1000 New Value 1 1500 meters Changed Value 1?	
Parameter 1 # 26 Old Param. 1 ID visibility New Param. 1 ID Visibility Changed Param. 1 Parameter 2 # 14 Old Param. 2 ID rain New Param. 2 ID Rain Changed Param. 2	? N
Parameter 2 # 14 Old Param. 2 ID rain New Param. 2 ID Rain Changed Param. 2	-
	? N
Old Value 1 1000 New Value 1 1500 meters Changed Value 1?	? N
	Y
Old Value 2 None Changed Value 2?	Y
Old Operator 1 < New Opt. 1 < Changed Opt. 1? N Old Opt. 2 > New Opt. 2 > Changed Opt. 2	? N
Old Condensed Impact Precipitation and Reduced Visibility Impact New Condensed Impact Changed Condensed Impact?	Y
Old Full Impact Any occurrence of rain and visibility < 0.6 mile (1000 m) decreases the weapon sighting capability.	
New Full Impact Any occurrence of rain and visibility < 0.9 mile (1500 m) decreases the weapon sighting capability.	
Changed Full Impac	t Y
Old Source (1st Cavalry Division, 1992);	
New Source Personal interview with SME 12 Nov 1997, CSM D. Schwab, HHC 1-52 AR Btn, NCANG, Ft. Bragg, NC	
Comments Original rule dealt with M1. Therefore used source from M1 system rule ID 146.	
Change to Source? Y Are There Any (2) Options? Y Any Change to Record?	Υ
Change to Source? Y Are There Any (2) Options? Y Any Change to Record?	Υ
Change to Source? Y Are There Any (2) Options? Y Any Change to Record?	Υ
Change to Source? Y Any Change to Record? Are There Any (2) Options? Y Any Change to Record?	Υ
Change to Source? Y Are There Any (2) Options? Y Any Change to Record? ID # 24 Subsystem Name DAY PERISCOPE Rule 1 # 138 Rule 2 # 138 Delete Rule	
	? N
ID # 24 Subsystem Name DAY PERISCOPE Rule 1 # 138 Rule 2 # 138 Delete Rule	? N
ID # 24 Subsystem Name DAY PERISCOPE Rule 1 # 138 Rule 2 # 138 Delete Rule Old Color 1 New Color 1 Changed Colors	? N ? N ? N
ID # 24 Subsystem Name DAY PERISCOPE Rule 1 # 138 Rule 2 # 138 Delete Rule Old Color 1 New Color 1 Changed Color Parameter 1 # 26 Old Param. 1 ID visibility New Param. 1 ID Visibility Changed Param. 1	9? N P N P N
ID # 24 Subsystem Name DAY PERISCOPE Rule 1 # 138 Rule 2 # 138 Delete Rule Old Color 1 New Color 1 Changed Color Parameter 1 # 26 Old Param. 1 ID visibility New Param. 1 ID Visibility Changed Param. 1 Parameter 2 # 17 Old Param. 2 ID Snow Changed Param. 2	? N ? N ? N
ID # 24 Subsystem Name DAY PERISCOPE Rule 1 # 138 Rule 2 # 138 Delete Rule Old Color 1 New Color 1 Changed Color Parameter 1 # 26 Old Param. 1 ID visibility New Param. 1 ID Visibility Changed Param. 1 Parameter 2 # 17 Old Param. 2 ID snow New Param. 2 ID Snow Changed Param. 2 Old Value 1 1000 New Value 1 1500 meters Changed Value 1?	? N ? N ? N ? N Y
ID # 24 Subsystem Name DAY PERISCOPE Rule 1 # 138 Rule 2 # 138 Delete Rule Old Color 1 New Color 1 Changed Color Parameter 1 # 26 Old Param. 1 ID visibility New Param. 1 ID Visibility Changed Param. 1 Parameter 2 # 17 Old Param. 2 ID snow New Param. 2 ID Snow Changed Param. 2 Old Value 1 1000 New Value 1 1500 meters Changed Value 1? Old Value 2 None Changed Value 2?	? N ? N ? N ? N Y
ID # 24 Subsystem Name DAY PERISCOPE Rule 1 # 138 Rule 2 # 138 Delete Rule Old Color 1 New Color 1 Changed Color? Parameter 1 # 26 Old Param. 1 ID visibility New Param. 1 ID Visibility Changed Param. 1 Parameter 2 # 17 Old Param. 2 ID snow New Param. 2 ID Snow Changed Param. 2 Old Value 1 1000 New Value 1 1500 meters Changed Value 1? Old Value 2 0 None Changed Value 2? Old Operator 1 < New Opt. 1 < Changed Opt. 1? N Old Opt. 2 > New Opt. 2 > Changed Opt. 2 Old Condensed Snow and Reduced Visibility New Condensed Snow Changed	? N ? N ? N ? N ? Y Y ? N
ID # 24 Subsystem Name DAY PERISCOPE Rule 1 # 138 Rule 2 # 138 Delete Rule Old Color 1 New Color 1 Changed Colors Parameter 1 # 26 Old Param. 1 ID visibility New Param. 1 ID Visibility Changed Param. 1 Parameter 2 # 17 Old Param. 2 ID snow New Param. 2 ID Snow Changed Param. 2 Old Value 1 1000 New Value 1 1500 meters Changed Value 1? Old Value 2 0 New Value 2 None Changed Value 2? Old Operator 1 < New Opt. 1 < Changed Opt. 1? N Old Opt. 2 > New Opt. 2 > Changed Opt. 2 Old Condensed Snow and Reduced Visibility New Condensed Impact	? N ? N ? N ? N ? Y Y ? N
ID # 24 Subsystem Name DAY PERISCOPE Rule 1 # 138 Rule 2 # 138 Delete Rule Old Color 1 New Color 1 Changed Color Parameter 1 # 26 Old Param. 1 ID visibility New Param. 1 ID Visibility Changed Param. 1 Parameter 2 # 17 Old Param. 2 ID Snow New Param. 2 ID Snow Changed Param. 2 Old Value 1 1000 New Value 1 1500 meters Changed Value 1? Old Value 2 None Changed Value 2? Old Operator 1 < New Opt. 1 < Changed Opt. 1? N Old Opt. 2 > New Opt. 2 > Changed Opt. 2 Old Condensed Impact Snow and Reduced Visibility New Condensed Impact Snow Changed Condensed Impact Any occurrence of snow and visibility < 0.6 mile (1000 m) decreases the weapon sighting capability. New Full Impact Any occurrence of snow and visibility < 0.9 mile (1500 m) decreases the weapon sighting capability.	Y Y Y
ID # 24 Subsystem Name DAY PERISCOPE Rule 1 # 138 Rule 2 # 138 Delete Rule Old Color 1 New Color 1 Changed Colors Parameter 1 # 26 Old Param. 1 ID visibility New Param. 1 ID Visibility Changed Param. 1 Parameter 2 # 17 Old Param. 2 ID Snow New Param. 2 ID Snow Changed Param. 2 Old Value 1 1000 New Value 1 1500 meters Changed Value 1? Old Value 2 0 New Value 2 None Changed Value 2? Old Operator 1 < New Opt. 1 < Changed Opt. 1? N Old Opt. 2 > New Opt. 2 > Changed Opt. 2 Old Condensed Snow and Reduced Visibility New Condensed Impact Old Full Impact Any occurrence of snow and visibility < 0.6 mile (1000 m) decreases the weapon sighting capability.	Y Y Y
ID # 24 Subsystem Name DAY PERISCOPE Rule 1 # 138 Rule 2 # 138 Delete Rule Old Color 1 New Color 1 Changed Colors Parameter 1 # 26 Old Param. 1 ID visibility New Param. 1 ID Visibility Changed Param. 1' Parameter 2 # 17 Old Param. 2 ID Snow New Param. 2 ID Snow Changed Param. 2' Old Value 1 1000 New Value 1 1500 meters Changed Value 1? Old Value 2 0 New Opt. 1 Changed Opt. 1? Nold Opt. 2 New Opt. 2 Changed Opt. 2 Old Condensed Snow and Reduced Visibility New Condensed Snow Changed Condensed Impact Old Full Impact Any occurrence of snow and visibility < 0.6 mile (1000 m) decreases the weapon sighting capability. Changed Full Impact Changed Full Impact Changed Full Impact Changed Full Impact	Y Y Y
ID # 24 Subsystem Name DAY PERISCOPE Rule 1 # 138 Rule 2 # 138 Delete Rule Old Color 1 New Color 1 Changed Colors Parameter 1 # 26 Old Param. 1 ID visibility New Param. 1 ID Visibility Changed Param. 1 Parameter 2 # 17 Old Param. 2 ID Snow Changed Param. 2 ID Snow Changed Param. 2 Old Value 1 1000 New Value 1 1500 meters Changed Value 1? Old Value 2 0 New Value 2 None Changed Value 2? Old Operator 1 < New Opt. 1 < Changed Opt. 1? N Old Opt. 2 > New Opt. 2 > Changed Opt. 2 Old Condensed Impact Snow and Reduced Visibility New Condensed Impact Snow Changed Condensed Impact Any occurrence of snow and visibility < 0.6 mile (1000 m) decreases the weapon sighting capability. Changed Full Impact Old Source (1st Cavalry Division, 1992);	Y Y Y

IWEDA Subsystem Rules ID# 25 FIRING SYSTEM Rule 1 # Rule 2# Subsystem Name 19 Delete Rule? Changed Color? Old Color New Color 22 Old Param. 1 ID temperature New Param. 1 ID Changed Param. 1? Parameter 1 # Changed Param. 2? Parameter 2 # Old Param, 2 ID New Param, 2 ID Old Value 1 85 New Value 1 Changed Value 1? Old Value 2 New Value 2 Changed Value 2? Old Operator 1 New Opt. 1 Changed Opt. 1? Old Opt. 2 New Opt. 2 Changed Opt. 2? **New Condensed** Old Condensed Hot Changed Impact Impact Condensed Impact? Temperatures >= 85 F can cause the firing system to fail if the air-conditioning fails. Old Full Impact New Full Impact Changed Full Impact **Old Source** (1st Cavalry Division, 1992); Delete Rule: No longer valid. USAFAS POC SFC Saeda, 3 Dec 1997 New Source Comments Υ Change to Source? Υ Are There Any (2) Options? N Any Change to Record? GENERATOR ID# 26 Subsystem Name Rule 1# 1 Rule 2# Delete Rule? Y Old Color **New Color** Changed Color? Parameter 1 # Old Param. 1 ID elevation New Param. 1 ID Changed Param. 1? Old Param. 2 ID New Param. 2 ID Changed Param. 2? Parameter 2 # Old Value 1 6000 New Value 1 Changed Value 1? New Value 2 Changed Value 2? Old Value 2 Old Opt. 2 Old Operator 1 New Opt. 1 Changed Opt. 1? New Opt. 2 Changed Opt. 2? Old Condensed Elevation **New Condensed** Changed Condensed Impact? Impact Impact Old Full Impact Operating at elevations >= 6000 ft reduces maximum power output by 5%. New Full Impact Changed Full Impact Old Source (1st Cavalry Division, 1992); **New Source** Delete Rule: Not ncesessary since amber value is now 8000 meters

Comments

Change to Source?

N

Are There Any (2) Options?

IWEDA Subsystem Rules ID # 27 Subsystem Name GENERATOR Rule 1 # 2 Rule 2 # Delete Rule? N Old Color 2 New Color 1 Changed Color? Y Parameter 1 # 8 Old Param. 1 ID elevation New Param. 1 ID Elevation Changed Param. 1? N Parameter 2 # Old Param. 2 ID New Param. 2 ID Changed Param. 2? Old Value 1 8000 New Value 1 8000 ft. Changed Value 1? N
Old Color 2 New Color 1 Changed Color? Y Parameter 1 # 8 Old Param. 1 ID elevation New Param. 1 ID Elevation Changed Param. 1? N Parameter 2 # Old Param. 2 ID New Param. 2 ID Changed Param. 2?
Parameter 1 # 8 Old Param. 1 ID elevation New Param. 1 ID Elevation Changed Param. 1? N Parameter 2 # Old Param. 2 ID New Param. 2 ID Changed Param. 2?
Parameter 1 # 8 Old Param. 1 ID elevation New Param. 1 ID Elevation Changed Param. 1? New Parameter 2 # Old Param. 2 ID Changed Param. 2?
Parameter 2 # Old Param. 2 ID New Param. 2 ID Changed Param. 2?
Old Value 1 8000 New Value 1 8000 ft. Changed Value 1? N
Old Value 2 New Value 2 Changed Value 2?
Old Operator 1 >= New Opt. 1 >= Changed Opt. 1? N Old Opt. 2 New Opt. 2 Changed Opt. 2?
Old Condensed Elevation New Condensed High Elevation Changed Y Condensed Impact Condensed Impact?
Old Full Impact Operating at elevations >= 8000 ft reduces maximum power output by 10%.
New Full Impact Operating at elevations >= 8000 feet MSL reduces the kilowatt rating by about 10%
Changed Full Impact Y
Old Source (1st Cavalry Division, 1992);
New Source TM 5-6115-465-12, Para 2-20, Jan 1984
Comments
Change to Source? Y Are There Any (2) Options? N Any Change to Record? Y
ID # 28 Subsystem Name GENERATOR Rule 1 # 7 Rule 2 # Delete Rule? N
ID# 28 Subsystem Name GENERATOR Rule 1 # 7 Rule 2 # Delete Rule? N
Old Color 2 New Color 1 Changed Color? Y
Old Color 2 New Color 1 Changed Color? Y
Old Color 2 New Color 1 Changed Color? Y Parameter 1 # 22 Old Param. 1 ID temperature New Param. 1 ID Temperature Changed Param. 1? N Parameter 2 # Old Param. 2 ID New Param. 2 ID Changed Param. 2?
Old Color 2 New Color 1 Changed Color? Y Parameter 1 # 22 Old Param. 1 ID temperature New Param. 1 ID Temperature Changed Param. 1? N Parameter 2 # Old Param. 2 ID New Param. 2 ID Changed Param. 2? Old Value 1 -25 New Value 1 -25 F Changed Value 1? N
Old Color 2 New Color 1 Changed Color? Y Parameter 1 # 22 Old Param. 1 ID temperature New Param. 1 ID Temperature Changed Param. 1? N Parameter 2 # Old Param. 2 ID New Param. 2 ID Changed Param. 2? Old Value 1 -25 New Value 1 -25 F Changed Value 1? N
Old Color 2 New Color 1 Changed Color? Y Parameter 1 # 22 Old Param. 1 ID temperature New Param. 1 ID Temperature Changed Param. 1? N Parameter 2 # Old Param. 2 ID New Param. 2 ID Changed Param. 2? Old Value 1 -25 New Value 1 -25 F Changed Value 1? N Old Value 2 New Opt. 1 <= Changed Opt. 1? N Old Opt. 2 New Opt. 2 Changed Opt. 2?
Old Color 2 New Color 1 Changed Color? Y Parameter 1 # 22 Old Param. 1 ID temperature New Param. 1 ID Temperature Changed Param. 1? N Parameter 2 # Old Param. 2 ID New Param. 2 ID Changed Param. 2? Old Value 1 -25 New Value 1 -25 F Changed Value 1? N Old Value 2 Changed Value 2? Old Operator 1 <= New Opt. 1 <= Changed Opt. 1? N Old Opt. 2 New Opt. 2 Changed Opt. 2? Old Condensed Cold New Condensed Extreme Cold Changed
Old Color 2 New Color 1 Changed Color? Y Parameter 1 # 22 Old Param. 1 ID temperature New Param. 1 ID Temperature Changed Param. 1? N Parameter 2 # Old Param. 2 ID New Param. 2 ID Changed Param. 2? Old Value 1 -25 New Value 1 -25 F Changed Value 1? N Old Value 2 New Value 2 Changed Value 2? Old Operator 1 <= New Opt. 1 <= Changed Opt. 1? N Old Opt. 2 New Opt. 2 Changed Opt. 2? Old Condensed Impact Extreme Cold Changed Condensed Impact? Old Full Impact Temperatures <= -25 F exceed the operating limits unless arctic kits are installed.
Old Color 2 New Color 1 Changed Color? Y Parameter 1 # 22 Old Param. 1 ID temperature New Param. 1 ID Temperature Changed Param. 1? N Parameter 2 # Old Param. 2 ID New Param. 2 ID Changed Param. 2? Old Value 1 -25 New Value 1 -25 F Changed Value 1? N Old Value 2 Changed Value 2? Old Operator 1 <= New Opt. 1 <= Changed Opt. 1? N Old Opt. 2 New Opt. 2 Changed Opt. 2? Old Condensed Impact Extreme Cold Changed Condensed Impact?
Old Color 2 New Color 1 Changed Color? Y Parameter 1 # 22 Old Param. 1 ID temperature New Param. 1 ID Temperature Changed Param. 1? N Parameter 2 # Old Param. 2 ID New Param. 2 ID Changed Param. 2? Old Value 1 -25 F Changed Value 1? N Old Value 2 New Value 2 Changed Value 2? Old Operator 1 <= New Opt. 1 <= Changed Opt. 1? N Old Opt. 2 New Opt. 2 Changed Opt. 2? Old Condensed Impact Condensed Impact Condensed Impact Temperatures <= -25 F exceed the operating limits unless arctic kits are installed. New Full Impact Temperatures <= -25 F exceed the operating limits unless arctic kits are installed. Changed Full Impact N
Old Color 2 New Color 1 Parameter 1 # 22 Old Param. 1 ID temperature New Param. 1 ID Temperature Changed Param. 1? N Parameter 2 # Old Param. 2 ID New Param. 2 ID Changed Param. 2? Old Value 1 -25 New Value 1 -25 F Changed Value 1? N Old Value 2 New Value 2 Changed Value 2? Old Operator 1 <= New Opt. 1 <= Changed Opt. 1? N Old Opt. 2 New Opt. 2 Changed Opt. 2? Old Condensed Impact Cold New Condensed Extreme Cold Changed Condensed Impact Old Full Impact Temperatures <= -25 F exceed the operating limits unless arctic kits are installed. Old Source (1st Cavalry Division, 1992);
Old Color 2 New Color 1 Changed Color? Y Parameter 1 # 22 Old Param. 1 ID temperature New Param. 1 ID Temperature Changed Param. 1? N Parameter 2 # Old Param. 2 ID New Param. 2 ID Changed Param. 2? Old Value 1 -25 New Value 1 -25 F Changed Value 1? N Old Value 2 New Opt. 1 <= Changed Opt. 1? N Old Opt. 2 New Opt. 2 Changed Opt. 2? Old Condensed Impact Cold New Condensed Extreme Cold Changed Condensed Impact Condensed Impact? Old Full Impact Temperatures <= -25 F exceed the operating limits unless arctic kits are installed. Changed Full Impact N

Υ

Change to Source?

Are There Any (2) Options?

ID # 29 Subsystem Name GENERATOR Rule 1 # 17 Rule 2 # Delete Rule? Old Color 2 New Color 2 Changed Color? Parameter 1 # 22 Old Param. 1 ID temperature New Param. 1 ID Temperature Changed Param. 1? Parameter 2 # Old Param. 2 ID New Param. 2 ID Changed Param. 2? Old Value 1 120 New Value 1 125 F Changed Value 1?
Parameter 1 # 22 Old Param. 1 ID temperature New Param. 1 ID Temperature Changed Param. 1? New Parameter 2 # Old Param. 2 ID Changed Param. 2? Old Value 1 120 New Value 1 125 F Changed Value 1?
Parameter 2 # Old Param. 2 ID Changed Param. 2? Old Value 1 120 New Value 1 125 F Changed Value 1?
Old Value 1 120 New Value 1 125 F Changed Value 1?
No. Webs 20
Old Value 2 New Value 2 Changed Value 2?
Old Operator 1 >= New Opt. 1 >= Changed Opt. 1? N Old Opt. 2 New Opt. 2 Changed Opt. 2?
Old Condensed Hot New Condensed Extreme Heat Changed Impact Condensed Impact?
Old Full Impact Temperatures >= 120 F exceed the operating limits.
New Full Impact Temperatures >= 125 F exceed the operating limits.
Changed Full Impact
Old Source (1st Cavalry Division, 1992);
New Source TM 5-6115-465-12, Para 2-16, Jan 1984
Comments
Change to Source? Y Are There Any (2) Options? N Any Change to Record?
Change to Source? Y Are There Any (2) Options? N Any Change to Record?
Change to Source? Y Are There Any (2) Options? N Any Change to Record?
Change to Source? Y Are There Any (2) Options? N Any Change to Record?
ID# 30 Subsystem Name GROUND FORWARD OBSERVER Rule 1 # 39 Rule 2 # Delete Rule?
ID # 30 Subsystem Name GROUND FORWARD OBSERVER Rule 1 # 39 Rule 2 # Delete Rule? New Color 2 New Color 2 Changed Color?
ID # 30 Subsystem Name GROUND FORWARD OBSERVER Rule 1 # 39 Rule 2 # Delete Rule? Note that the color of the c
ID # 30 Subsystem Name GROUND FORWARD OBSERVER Rule 1 # 39 Rule 2 # Delete Rule? Note that the color of the c
ID # 30 Subsystem Name GROUND FORWARD OBSERVER Rule 1 # 39 Rule 2 # Delete Rule? Note that the color of the c
ID # 30 Subsystem Name GROUND FORWARD OBSERVER Rule 1 # 39 Rule 2 # Delete Rule? Note that the content of the c
ID # 30 Subsystem Name GROUND FORWARD OBSERVER Rule 1 # 39 Rule 2 # Delete Rule? Note that the content of the c
ID # 30 Subsystem Name GROUND FORWARD OBSERVER Rule 1 # 39 Rule 2 # Delete Rule? Note of the color of the col
ID # 30 Subsystem Name GROUND FORWARD OBSERVER Rule 1 # 39 Rule 2 # Delete Rule? Old Color 2 New Color 2 Changed Color? Parameter 1 # 26 Old Param. 1 ID visibility New Param. 1 ID Visibility Changed Param. 1? Parameter 2 # Old Param. 2 ID New Value 1 Changed Param. 2? Old Value 1 200 New Value 1 200 meters Changed Value 1? Old Value 2 New Opt. 1 <= Changed Opt. 1? N Old Opt. 2 New Opt. 2 Changed Opt. 2? Old Condensed Reduced Visibility New Condensed Very Low Visibility Changed Impact Old Full Impact Visibility <= 0.1 mile (200 m) makes it very difficult to safely acquire and identify targets.
ID # 30 Subsystem Name GROUND FORWARD OBSERVER Rule 1 # 39 Rule 2 # Delete Rule? Note Color 2 New Color 2 Changed Color? Parameter 1 # 26 Old Param. 1 ID visibility New Param. 1 ID Visibility Changed Param. 1? Parameter 2 # Old Param. 2 ID New Value 1 Changed Param. 2? Old Value 1 200 New Value 1 200 meters Changed Value 1? New Value 2 Changed Value 2? Old Operator 1 <= New Opt. 1 <= Changed Opt. 1? Note Old Opt. 2 New Opt. 2 Changed Opt. 2? Old Condensed Reduced Visibility New Condensed Very Low Visibility Changed Condensed Impact Visibility <= 0.1 mile (200 m) makes it very difficult to safely acquire and identify targets. Changed Full Impact Full Impact Changed Full Impact Changed Full Impact Full Impact Changed Full Impact
ID # 30 Subsystem Name GROUND FORWARD OBSERVER Rule 1 # 39 Rule 2 # Delete Rule? Note of the color of the col
ID # 30 Subsystem Name GROUND FORWARD OBSERVER Rule 1 # 39 Rule 2 # Delete Rule? Note Color 2 New Color 2 Changed Color? Parameter 1 # 26 Old Param. 1 ID visibility New Param. 1 ID Visibility Changed Param. 1? Parameter 2 # Old Param. 2 ID New Value 1 Changed Param. 2? Old Value 1 200 New Value 1 200 meters Changed Value 1? New Value 2 Changed Value 2? Old Operator 1 <= New Opt. 1 <= Changed Opt. 1? Note Old Opt. 2 New Opt. 2 Changed Opt. 2? Old Condensed Reduced Visibility New Condensed Very Low Visibility Changed Condensed Impact Visibility <= 0.1 mile (200 m) makes it very difficult to safely acquire and identify targets. Changed Full Impact Full Impact Changed Full Impact Changed Full Impact Full Impact Changed Full Impact
ID # 30 Subsystem Name GROUND FORWARD OBSERVER Rule 1 # 39 Rule 2 # Delete Rule? Proceedings of the content of

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ID# 31 Su	bsystem Name GRO	OUND FORWARD OBS	ERVER R	tule 1 # 40 Rule	2 # Delete Rule?	N
Old Color	1 New Color	1			Changed Color?	N
Parameter 1 #	26 Old Param. 1 ID	visibility	New Param. 1 ID	Visibility	Changed Param. 1?	N
Parameter 2 #	Old Param. 2 ID		New Param. 2 ID		Changed Param. 2?	
Old Value 1	500	New Value 1	500 n	neters	Changed Value 1?	N
Old Value 2		New Value 2			Changed Value 2?	
Old Operator 1	< New Opt. 1 <	Changed Opt. 1?	N Old Opt. 2	New Opt. 2	Changed Opt. 2?	
Old Condensed Impact	Reduced Visibil	ity New Con Impact	densed Ver	y Low Visibility	Changed Condensed Impact?	Υ
Old Full Impact	Visibility <= 0.3 mile (500	m) makes it difficult to	safely acquire an	d identify targets.		
New Full Impac	Visibility <= 0.3 mile (500	m) makes it difficult to	safely acquire an	d identify targets.		
Old Source	(1st Cavalry Division, 199	2);			Changed Full Impact	N
New Source	FM 90-22, Chapter 1, "Adv FM 34-81-1, Pg. D-4, Dec		Visibility," Jan 199	01		
Comments						
Change to Sour	ce? Y	Are There Any	(2) Options? N		Any Change to Record?	Υ
	osystem Name	HELLFIRE A-AIR	R	ule 1 # 55 Rule 2		_
Old Color	1 New Color	1] N D 4.1D[Changed Color?	N
Parameter 1 #	10 Old Param. 1 ID	freezingrain	New Param. 1 ID	Freezing Rain	Changed Param. 1?	N
Parameter 2 #	Old Param. 2 ID	l New Yeles 4	New Param. 2 ID		Changed Param. 2?	V
Old Value 1	1	New Value 1	No	one	Changed Value 1?	Y
Old Value 2		New Value 2			Changed Value 2?	<u> </u>
Old Operator 1	> New Opt. 1 >		N Old Opt. 2	New Opt. 2	Changed Opt. 2?	
Old Condensed Impact	Freezing Rain	New Con-	densed F	reezing Rain	Changed Condensed Impact?	N
Old Full Impact	Freezing rain > light inten	sity may freeze the m	ssile to the rail.			
New Full Impac	Freezing rain > none may	cause arming probler	ns			
					Changed Full Impact	Υ
						L
Old Source	(1st Cavalry Division, 199	2);				لــــــــا
Old Source New Source	(1st Cavalry Division, 199					
		3-16, May 1994				

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ID # 33 Sub	system Name		HELLFIF	RE A-AIR			Rule 1#	77 Rui	e 2 #	Delete Rule?	N
Old Color	1 New Col	or	1							Changed Color?	N
Parameter 1 #	12 Old Param. 1 I	D	icingintens	sity	New Pa	ıram. 1 ID	lcin	gIntensity	,	Changed Param. 1?	N
Parameter 2 #	Old Param. 2 I	D			New Pa	ıram. 2 ID				Changed Param. 2?	
Old Value 1	1		New	Value 1		N	lone		1	Changed Value 1?	Y
Old Value 2			New	Value 2]	Changed Value 2?	
Old Operator 1	> New Opt. 1	>	Changed	Opt. 1?	N Old C	Opt. 2	New	Opt. 2		Changed Opt. 27	'
Old Condensed Impact	lcing	Aloft		New Cor Impact	densed		Icing Al	oft	(Changed Condensed Impact?	N
Old Full Impact	Upper-level icing	light int	tensity may	freeze th	e missile	to the ra	nil.				
New Full Impact	Upper-level icing > tops) feet AGL	none m	ay cause a	rming pro	oblems if	the aricr	aft is flyin	g betwee	n (~ici	ing base) & (~icing	
										Changed Full Impact	Υ
Old Source	(1st Cavalry Divisi	on, 1992);								
New Source	New Source TM 55-1520-238-10, Para 8-16, May 1994										
Comments	Also see TM 1-152	0-238-10	, Sep 1996								
Change to Sour	ce? Y		Are 7	There Any	(2) Optio	ns? N			Any	Change to Record?	Y
ID# 34 Sui	osystem Name		HELLFII	RE A-AIR			Rule 1 #	104 Rul	e 2 #	104 Delete Rule?	N
ID# 34 Sull	osystem Name New Co	lor	HELLFII	RE A-AIR			Rule 1 #	104 Rul	e 2 #[104 Delete Rule? Changed Color?	N
					New Pa	aram. 1 ID		104 Rul	l		N
Old Color	2 New Co	ID	2	er er			Clo		•	Changed Color?	N
Old Color Parameter 1 #	New Co Old Param. 1	ID	cloudcov	er er		aram. 1 ID aram. 2 ID	Clo	oud Cover	•	Changed Color? Changed Param. 1?	N
Old Color Parameter 1 # Parameter 2 #	New Co Old Param. 1 Old Param. 2	ID	cloudcov cloudbas	er se		aram. 1 ID aram. 2 ID	Clo	oud Cover	•	Changed Color? Changed Param. 1? Changed Param. 2?	N N
Old Color Parameter 1 # Parameter 2 # Old Value 1	New Co Old Param. 1 Old Param. 2	ID ID	cloudcov cloudbas Nev Nev	ver se v Value 1	New Pa	aram. 1 ID aram. 2 ID	Clo	oud Cover	•	Changed Color? Changed Param. 1? Changed Param. 2? Changed Value 1?	N N Y N
Old Color Parameter 1 # Parameter 2 # Old Value 1 Old Value 2	2 New Co 4 Old Param. 1 3 Old Param. 2 0 1000 > New Opt. 1	ID ID	cloudcov cloudbas Nev Nev	ver se v Value 1 v Value 2	New Pa	aram. 1 ID aram. 2 ID 10 Opt. 2	Clo	oud Cover]	Changed Color? Changed Param. 1? Changed Param. 2? Changed Value 1? Changed Value 2?	N N Y N
Old Color Parameter 1 # Parameter 2 # Old Value 1 Old Value 2 Old Operator 1 Old Condensed Impact	2 New Co 4 Old Param. 1 3 Old Param. 2 0 1000 > New Opt. 1	ID I	cloudcov cloudbas Nev Nev Changed	ver v Value 1 v Value 2 l Opt. 1? [New Col	New Pa	aram. 1 ID aram. 2 ID N 10 Opt. 2	Clo Clo None 000 ft. New Yery Low C	oud Cover oud Base Opt. 2		Changed Color? Changed Param. 1? Changed Param. 2? Changed Value 1? Changed Value 2? Changed Opt. 2? Changed	N N N Y N
Old Color Parameter 1 # Parameter 2 # Old Value 1 Old Value 2 Old Operator 1 Old Condensed Impact Old Full Impact	2 New Co 4 Old Param. 1 3 Old Param. 2 0 1000 > New Opt. 1 Cloud bases < 100	ID Souds	cloudcov cloudbas Nev Nev Changed	ver v Value 1 v Value 2 l Opt. 1? [] New Col Impact	New Pa	aram. 1 IE aram. 2 IE 10 Opt. 2 V	Clo Clo None 000 ft. New Yery Low Contain acqui	oud Cover oud Base Opt. 2 Clouds	<	Changed Color? Changed Param. 1? Changed Param. 2? Changed Value 1? Changed Value 2? Changed Opt. 2? Changed Condensed Impact? ser spot on the targe	N N Y N N Y
Old Color Parameter 1 # Parameter 2 # Old Value 1 Old Value 2 Old Operator 1 Old Condensed Impact Old Full Impact	2 New Co 4 Old Param. 1 3 Old Param. 2 0 1000 > New Opt. 1 Cloud bases < 100	ID Souds	cloudcov cloudbas Nev Nev Changed	ver v Value 1 v Value 2 l Opt. 1? [] New Col Impact	New Pa	aram. 1 IE aram. 2 IE 10 Opt. 2 V	Clo Clo None 000 ft. New Yery Low Contain acqui	oud Cover oud Base Opt. 2 Clouds	<	Changed Color? Changed Param. 1? Changed Param. 2? Changed Value 1? Changed Value 2? Changed Opt. 2? Changed Condensed Impact?	N N Y N N Y
Old Color Parameter 1 # Parameter 2 # Old Value 1 Old Value 2 Old Operator 1 Old Condensed Impact Old Full Impact	2 New Co 4 Old Param. 1 3 Old Param. 2 0 1000 > New Opt. 1 Cloud bases < 100	ID Souds	cloudcov cloudbas Nev Nev Changed	ver v Value 1 v Value 2 l Opt. 1? [New Col Impact	New Pa	aram. 1 IE aram. 2 IE 10 Opt. 2 V	Clo Clo None 000 ft. New Yery Low Contain acqui	oud Cover oud Base Opt. 2 Clouds	<	Changed Color? Changed Param. 1? Changed Param. 2? Changed Value 1? Changed Value 2? Changed Opt. 2? Changed Condensed Impact? ser spot on the targe	N N Y N Y
Old Color Parameter 1 # Parameter 2 # Old Value 1 Old Value 2 Old Operator 1 Old Condensed Impact Old Full Impact	2 New Co 4 Old Param. 1 3 Old Param. 2 0 1000 > New Opt. 1 Cloud bases < 100	ID	cloudcov cloudbas Nev Nev Changed e it very dif	ver v Value 1 v Value 2 l Opt. 1? [New Col Impact	New Pa	aram. 1 IE aram. 2 IE 10 Opt. 2 V	Clo Clo None 000 ft. New Yery Low Contain acqui	oud Cover oud Base Opt. 2 Clouds	<	Changed Color? Changed Param. 1? Changed Param. 2? Changed Value 1? Changed Value 2? Changed Opt. 2? Changed Condensed Impact? ser spot on the targe	N N Y N Y
Old Color Parameter 1 # Parameter 2 # Old Value 1 Old Value 2 Old Operator 1 Old Condensed Impact Old Full Impact New Full Impact	2 New Co 4 Old Param. 1 3 Old Param. 2 0 1000 > New Opt. 1 Cloud bases < 100 tt Cloud bases < 100	Douds Of ft mak ion, 1992 w with SM	cloudcov cloudbas Nev Nev Changed e it very diff e it very diff (2);	ver se v Value 1 v Value 2 l Opt. 1? New Collimpact fficult for	New Pa	aram. 1 IE aram. 2 IE 10 Opt. 2 V ille to mai	Clo Clo One	Opt. 2 Clouds uisition wuisition we	ith las	Changed Color? Changed Param. 1? Changed Param. 2? Changed Value 1? Changed Value 2? Changed Opt. 2? Changed Condensed Impact? ser spot on the targe Changed Full Impact	N N Y N Y
Old Color Parameter 1 # Parameter 2 # Old Value 1 Old Value 2 Old Operator 1 Old Condensed Impact Old Full Impact New Full Impact Old Source	2 New Co 4 Old Param. 1 3 Old Param. 2 0 1000 > New Opt. 1 Cloud bases < 100 (1st Cavalry Divis	Douds Of ft mak ion, 1992 w with SM	cloudcov cloudbas Nev Nev Changed e it very diff e it very diff (2);	ver se v Value 1 v Value 2 l Opt. 1? New Collimpact fficult for	New Pa	aram. 1 IE aram. 2 IE 10 Opt. 2 V ille to mai	Clo Clo One	Opt. 2 Clouds uisition wuisition we	ith las	Changed Color? Changed Param. 1? Changed Param. 2? Changed Value 1? Changed Value 2? Changed Opt. 2? Changed Condensed Impact? ser spot on the targe Changed Full Impact	N N Y N Y

ID# 35 Sul	bsystem Name	HELLFIRE A-AIR		Rule 1 # 105 R	ule 2 # 105 Delete Rule? N
Old Color	1 New Color	1			Changed Color? N
Parameter 1 #	4 Old Param. 1 ID	cloudcover	New Param. 1	D Cloud Cov	er Changed Param. 1? N
Parameter 2 #	3 Old Param. 2 ID	cloudbase	New Param. 2	D Cloud Bas	changed Param. 2? N
Old Value 1	0	New Value 1		None	Changed Value 1? Y
Old Value 2	2000	New Value 2		2000 ft.	Changed Value 2? N
Old Operator 1	> New Opt. 1 >	Changed Opt. 1?	N Old Opt. 2	< New Opt. 2	< Changed Opt. 2? N
Old Condensed Impact	Clouds	New Con Impact	densed	Low Clouds	Changed Condensed Impact?
Old Full Impact	Cloud bases < 2000 ft ma	ke it difficult for the m	issile to maintai	n acquisition with	aser spot on the target.
New Full Impact	Cloud bases < 2000 ft ma	ke it difficult for the m	issile to maintai	n acquisition with l	aser spot on the target.
Old Source	(1st Cavalry Division, 199	12);			Changed Full Impact N
New Source	Personal interview with S Helicopter Regiment, Ft. I				
Comments					
Change to Sour	ce? Y	Are There Any	(2) Options? Y		Any Change to Record?
ID# 36 Sub	osystem Name	HELLFIRE C-AIR	· · · · · · · · · · · · · · · · · · ·	Rule 1 # 55 R	ule 2 # Delete Rule? N
Old Color	1 New Color	1			Changed Color? N
Parameter 1 #	10 Old Param. 1 ID	freezingrain	New Param. 1 I	D Freezing Ra	
Parameter 2 #	Old Param. 2 ID		New Param. 2 I		Changed Param. 2?
Old Value 1	1	New Value 1	J	None	Changed Value 1? Y
Old Value 2		New Value 2			Changed Value 2?
Old Operator 1	> New Opt. 1 >	Changed Opt. 1?	N Old Opt. 2	New Opt. 2	Changed Opt. 2?
Old Condensed Impact	Freezing Rain	New Condimpact	densed	Freezing Rain	Changed N Condensed Impact?
•	Freezing rain > light inten	sity may freeze the mi	issile to the rail.		
New Full Impact	Freezing rain > none may	cause arming problem	ns		
Old Source	(1st Cavalry Division, 199	2);			Changed Full Impact Y
New Source	TM 55-1520-238-10, Para 8	3-16, May 1994			
Comments	Also see TM 1-1520-238-1	0, Sep 1996			
Change to Source	ce? Y	Are There Any	(2) Options? N		Any Change to Record? Y

ID # 37 Sub	osystem Name	HELLFIRE C-AIR	Rule	1 # 77 Rui	e 2 # Delete Rule? N
Old Color	1 New Color	1			Changed Color? N
Parameter 1 #	12 Old Param. 1 ID	icingintensity	New Param. 1 ID	Icing Intensit	y Changed Param. 1? N
Parameter 2 #	Old Param. 2 ID		New Param. 2 ID		Changed Param. 2?
Old Value 1	1	New Value 1	None		Changed Value 1? Y
Old Value 2		New Value 2			Changed Value 2?
Old Operator 1	> New Opt. 1 >	Changed Opt. 1?	Old Opt. 2	New Opt. 2	Changed Opt. 2?
Old Condensed Impact	Icing Aloft	New Cond Impact	lensed Ici	ng Aloft	Changed Condensed Impact?
Old Full Impact	Upper-level icing > light i	ntensity may freeze the	missile to the rail.		
New Full Impact	Upper level icing > none tops) feet AGL	may cause arming prol	plems if the aircraft is	flying betwee	n (~icing base) and (~ icing
Old Source	(1st Cavalry Division, 199)2);			Changed Full Impact Y
New Source	TM 55-1520-238-10, Para	8-16, May 1994			
Comments	Also see TM 1-1520-238-1	10, Sep 1996			
Change to Sour	ce? Y	Are There Any (2) Options? N		Any Change to Record? Y
ID# 38 Sub	osystem Name	HELLFIRE C-AIR	Rule	1 # 95 Rul	e 2 # 95 Delete Rule? N
Old Color	2 New Color	2			Changed Color? N
Parameter 1 #	4 Old Param. 1 ID	cloudcover	New Param. 1 ID	Cloud Cover	Changed Param. 1? N
Parameter 2 #	3 Old Param. 2 ID	cloudbase	New Param. 2 ID	Cloud Base	Changed Param. 2? N
Old Value 1	0	· New Value 1	None		Changed Value 1? Y
Old Value 2	500	New Value 2	400 ft	•	Changed Value 2? Y
Old Operator 1	> New Opt. 1 >	Changed Opt. 1?	Old Opt. 2 <=	New Opt. 2	<= Changed Opt. 2? N
Old Condensed Impact	Clouds	New Cond Impact	densed Very	_ow Clouds	Changed Condensed Impact?
Old Full Impact	Cloud bases < 500 ft make	e it very difficult for the	e missile to maintain	acquisition wit	h laser spot on the target.
New Full Impac	Cloud Bases < 400 ft. ma	ke it very difficult for th	e missile to maintain	the lased spo	t on the target.
					Changed Full Impact Y
Old Source	(1st Cavalry Division, 199	92);			
New Source	Personal interview with S		Ronald C. Moring, R		
	nencopter Regiment, Ft.	Drugg, rre una rividuo.			
Comments	neicopter Regiment, rt.	2.03g, 1.0 a.i.a , 1.1.a.a.a.			

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ID# 39 Su	bsystem Name	HELLFIRE C-AIR		Rule 1 # 96 Ru	ule 2 # 96 Delete Rule?	N
Old Color	1 New Color	1			Changed Color?	N
Parameter 1 #	3 Old Param. 1 ID	cloudbase	New Param. 1	D Cloud Base	e Changed Param. 1?	N
Parameter 2 #	4 Old Param. 2 ID	cloudcover	New Param. 2	D Cloud Cove	er Changed Param. 2?	N
Old Value 1	1500	New Value 1		1500 ft.	Changed Value 1?	N
Old Value 2	0	New Value 2		None	Changed Value 2?	Y
Old Operator 1	<= New Opt. 1 <	= Changed Opt. 1?	N Old Opt. 2	> New Opt. 2	> Changed Opt. 2?	N
Old Condensed Impact	Clouds	New Con Impact	densed	Low Clouds	Changed Condensed Impact?	Υ
Old Full Impact	Cloud bases < 1500 ft n	nake it difficult for the m	issile to maintai	n acquisition with I	aser spot on the target.	
New Full Impac	Cloud bases < 1500 ft n	nake it difficult for the m	issile to maintai	n the lased spot on	the target.	
					Changed Full Impact	N
Old Source	(1st Cavalry Division, 1	992);				
New Source	Personal interview with Helicopter Regiment, Fr					
Comments						
Change to Sour	ce? Y	Are There Any	(2) Options? Y		Any Change to Record?	Y
ID# 40 Sui	osystem Name	HEMTT TRUCK		Rule 1 # 52 Ru	ule 2 # Delete Rule?	N
Old Color	1 New Color	1			Changed Color?	N
Parameter 1 #	14 Old Param. 1 ID	rain	New Param. 1 I	D Rain	Changed Param. 1?	N
Parameter 2 #	Old Param. 2 ID		New Param. 2 I	D	Changed Param. 2?	
Old Value 1	1	New Value 1	M	oderate	Changed Value 1?	Y
Old Value 2		New Value 2			Changed Value 2?	
Old Operator 1	> New Opt. 1 >	= Changed Opt. 1?	Y Old Opt. 2	New Opt. 2	Changed Opt. 2?	
Old Condensed Impact	Precipitation	n New Con Impact	densed	Rain	Changed Condensed Impact?	Y
Old Full Impact	Moderate or greater rain speed of the system.	n degrades the driver's	visibility and the	mobility of the sys	tem reducing the maximum	
New Full Impact	Moderate or greater rain	n degrades the driver's	visibility and the	mobility of the sys	tem reducing the maximum	
	speed of the system.					
0110	44.0 1 51.11	200			Changed Full Impact	N
Old Source	(1st Cavalry Division, 1	992);				
New Source	Interview with SSGT Jo 1997	hn Train, Operations SG	T, TAD Motor Po	ool (Support Schoo	l House), Ft. Eustis, VA, Au	g
Comments						
Change to Sour	ce? Y	Are There Any	(2) Options? N	П	Any Change to Record?	Y

IWEDA Subsystem Rules ID# 41 HEMTT TRUCK Subsystem Name 54 Rule 1# Rule 2# Delete Rule? Y Old Color **New Color** Changed Color? Parameter 1 # 14 Old Param, 1 ID New Param, 1 ID rain Changed Param, 1? Old Param. 2 ID New Param. 2 ID Parameter 2 # Changed Param. 2? Old Value 1 2 New Value 1 Changed Value 1? Old Value 2 New Value 2 Changed Value 2? Changed Opt. 1? Old Operator 1 Old Opt. 2 New Opt. 1 New Opt. 2 Changed Opt. 2? Old Condensed Precipitation **New Condensed** Changed Impact Impact Condensed Impact? Old Full Impact Heavy rain significantly degrades the driver's visibility and the mobility of the system reducing the maximum speed of the system. New Full Impact Changed Full Impact Old Source (1st Cavalry Division, 1992); **New Source** Delete Rule: Too restrictive, included in Rule ID# 40 as an Amber condition. Comments Change to Source? Are There Any (2) Options? N Any Change to Record? Y ID# 42 Subsystem Name **HEMTT TRUCK** Rule 1# 58 Rule 2 # Delete Rule? Old Color 2 **New Color** Changed Color? Parameter 1 # 17 Old Param. 1 ID snow New Param. 1 ID Changed Param. 1? Parameter 2 # Old Param. 2 ID New Param. 2 ID Changed Param. 2? 3 New Value 1 Old Value 1 Changed Value 1? Old Value 2 New Value 2 Changed Value 2? Old Operator 1 New Opt. 1 Changed Opt. 1? Old Opt. 2 New Opt. 2 Changed Opt. 2? Old Condensed **New Condensed** Changed Snow Condensed Impact? Impact Impact Old Full Impact Heavy snow degrades the driver's visibility and the mobility of the system reducing the maximum speed of the New Full Impact Changed Full Impact (1st Cavalry Division, 1992); **Old Source** Delete Rule: Too restrictive, included in Rule ID# 43 as an Amber condition New Source

Υ

Comments

Change to Source?

N

Are There Any (2) Options?

ID# 43 Sul	osystem Name	HEMTT TRUCK	R	ule 1 # 59 Rule	2# Delete Rule? N
Old Color	1 New Color	1			Changed Color? N
Parameter 1 #	17 Old Param. 1 ID	snow	New Param. 1 ID	Snow	Changed Param. 1? N
Parameter 2 #	Old Param. 2 ID		New Param. 2 ID		Changed Param. 2?
Old Value 1	1	New Value 1	Mod	erate	Changed Value 1? Y
Old Value 2		New Value 2			Changed Value 2?
Old Operator 1	> New Opt. 1 >:	= Changed Opt. 1?	Y Old Opt. 2	New Opt. 2	Changed Opt. 2?
Old Condensed Impact	Snow	New Co Impact	ndensed	Snow	Changed Condensed Impact?
Old Full Impact	Moderate or greater sno speed of the system.	w degrades the driver	's visibility and the n	nobility of the syste	em reducing the maximum
New Full Impact	Moderate or greater sno speed of the system.	w degrades the driver	's visibility and the n	nobility of the syste	em reducing the maximum
Old Source	(1st Cavalry Division, 19	192);			Changed Full Impact Y
New Source	TM 9-2320-279-10-1, Par	a 2-36, Mar 1986			
Comments					
Change to Sour	ce? Y	Are There Any	(2) Options? N		Any Change to Record? Y
ID# 44 Sub	osystem Name	HET TRUCK TRACT	OR R	ule 1 # 52 Rule	2# Delete Rule? N
Old Color	1 New Color	1			Changed Color? N
Parameter 1 #	14 Old Param. 1 ID	rain	New Param. 1 ID	Rain	Changed Param. 1? N
Parameter 2 #	Old Param. 2 ID		New Param. 2 ID		Changed Param. 2?
Old Value 1	1	New Value 1	Mode	erate	Changed Value 1? Y
Old Value 2		New Value 2			Changed Value 2?
Old Operator 1	> New Opt. 1 >=	Changed Opt. 1?	Y Old Opt. 2	New Opt. 2	Changed Opt. 2?
Old Condensed Impact	Precipitatio			Rain	Changed Condensed Impact?
•	Moderate or greater rain speed of the system.	degrades the driver's	visibility and the mo	bility of the system	n reducing the maximum
New Full Impact		degrades the driver's	visibility and the mo	bility of the system	n reducing the maximum
Old Source	(1st Cavalry Division, 19	92);			Changed Full Impact Y
New Source	Interview with SSGT Joh 1997	nn Train, Operations S	GT, TAD Motor Pool	(Supports School	House), Ft. Eustis, VA, Aug
Comments					
Change to Sour	ce? Y	Are There Any	(2) Options? N		Any Change to Record? Y

		IWEDA S	ubsystem R	Rules	
ID# 45 Sul	bsystem Name	HET TRUCK TRAC	TOR	Rule 1 # 54	Rule 2 # Delete Rule? Y
Old Color	2 New Color				Changed Color?
Parameter 1 #	14 Old Param. 1 ID	rain	New Param. 1	ID	Changed Param. 1?
Parameter 2 #	Old Param. 2 ID		New Param. 2	ID	Changed Param. 2?
Old Value 1	2	New Value	1		Changed Value 1?
Old Value 2		New Value	2		Changed Value 2?
Old Operator 1	> New Opt. 1	Changed Opt. 13	Old Opt. 2	New Opt.	2 Changed Opt. 2?
Old Condensed Impact	Precipitat	New C	ondensed		Changed Condensed Impact?
Old Full Impact	Heavy rain significant speed of the system.	ly degrades the driver's	visibility and the	mobility of the s	ystem reducing the maximum
New Full Impac	t				
					Changed Full Impact
Old Source	(1st Cavalry Division,	1992);			
New Source	Delete Rule: Too Res	trictive. Included in Ru	e ID# 44 as an Am	nber condition	
Comments					
Change to Sour	œ:	Ale Hick A	ny (2) Options?	N	Any Change to Record?
ID # 46 6:	havetern Name	HET TRUCK TRAC	TOP	Rule 1 # 58	Rule 2 # Delete Rule? Y
ID # 46 Su	bsystem Name 2 New Color	HEI TROCK TRAC	IOR	Rule I # 36	Changed Color?
Parameter 1 #	17 Old Param. 1 ID	snow	New Param. 1	ID	Changed Param. 1?
Parameter 2 #	Old Param. 2 ID	Snow	New Param. 2		Changed Param. 2?
Old Value 1	3	New Value			Changed Value 1?
Old Value 2		New Value			Changed Value 2?
Old Operator 1	= New Opt. 1	Changed Opt. 1		New Opt.	
Old Condensed		New C	ondensed		Changed Condensed Impact?
•			<u> </u>	e mobility of the	system reducing the maximum
New Full Impac	speed of the system.				
Old Source	(1st Cavalry Division,	1992);			Changed Full Impact
New Source	Delete Pulo: Too rec	trictive. Included in Rul	o ID# 47 as an Am	her condition	
New Source	Delete Kule: 100 fes	monye. monueu m Kui	LIDE TE AS AN AM	iser condition	

Change to Source?

Are There Any (2) Options?

IWEDA Subsystem Rules ID# 47 HET TRUCK TRACTOR 59 Rule 2# N Subsystem Name Rule 1# Delete Rule? Old Color **New Color** Changed Color? Old Param, 1 ID New Param, 1 ID Parameter 1 # 17 snow Snow Changed Param. 1? N Old Param, 2 ID Changed Param. 2? Parameter 2 # New Param. 2 ID Old Value 1 New Value 1 Moderate Changed Value 1? Old Value 2 New Value 2 Changed Value 2? Changed Opt. 1? Y Old Operator 1 New Opt. 1 Old Opt. 2 New Opt. 2 Changed Opt. 2? Old Condensed New Condensed Snow Changed Snow Impact Impact Condensed Impact? Old Full Impact Moderate or greater snow degrades the driver's visibility and the mobility of the system reducing the maximum speed of the system. New Full Impact Moderate or greater snow degrades the driver's visibility and the mobility of the system reducing the maximum speed of the system. Changed Full Impact N Old Source (1st Cavalry Division, 1992); TM 9-2320-360-10, Para 2-25C, 26, Mar 1994 **New Source** Comments Change to Source? Y Are There Any (2) Options? N Any Change to Record? LAUNCHER LOADER MODULE Rule 2# ID# 48 Subsystem Name Rule 1# 7 Delete Rule? N Changed Color? N Old Color **New Color** Parameter 1 # Old Param. 1 ID temperature New Param. 1 ID Temperature Changed Param. 1? New Param. 2 ID Changed Param. 2? Parameter 2 # Old Param. 2 ID n -25 Changed Value 1? Old Value 1 New Value 1 - 25 F N Old Value 2 New Value 2 Changed Value 2? Changed Opt. 1? N Old Opt. 2 Old Operator 1 New Opt. 2 Changed Opt. 2? New Opt. 1 <= Cold **New Condensed Extreme Cold** Changed Old Condensed Impact Condensed Impact? Impact Old Full Impact Temperature <= -25 F are below the operational limits of the Launcher Loader Module. New Full Impact Temperature <= -25 F are below the operational limits of the Launcher Loader Module. Changed Full Impact N Old Source (1st Cavalry Division, 1992);

Y

Rule validated by USAFAS, POC SFC Garrett, 3 Dec 1997

New Source

Comments

Change to Source?

Ν

Are There Any (2) Options?

Any Change to Record?

Υ

ID # 49 Subs	system Name LAI	JNCHER LOADER MO	DDULE Ru	e 1 # 54 Rule	2# Delete Rule? N
Old Color	1 New Color	1			Changed Color? N
Parameter 1 # 1	I4 Old Param. 1 ID	rain	New Param. 1 ID	Rain	Changed Param. 1?
Parameter 2 #	Old Param. 2 ID		New Param. 2 ID		Changed Param. 2? N
Old Value 1	2	New Value 1	Mode	rate	Changed Value 1? Y
Old Value 2		New Value 2			Changed Value 2?
Old Operator 1	> New Opt. 1 >	Changed Opt. 1?	N Old Opt. 2	New Opt. 2	Changed Opt. 2?
Old Condensed Impact	Precipitation	New Con Impact	densed H	eavy Rain	Changed Condensed Impact?
Old Full Impact	Rain > moderate intensity	makes operating the	Launcher Loader Mo	odule difficult and	degrades its performance.
New Full Impact	Rain > moderate intensity	makes operating the	Launcher Loader Mo	odule difficult and	I degrades its performance.
L					Changed Full Impact N
Old Source	1st Cavalry Division, 199	2);			Changed Full Impact
New Source	Rule validated by USAFAS	S, POC SFC Garrett, 3	Dec 1997		
Comments					
Change to Source	e? Y	Are There Any	(2) Options? N		Any Change to Record?
ID# 50 Subs	system Name LAI	UNCHER LOADER MO	DDULE Ru	le 1 # 55 Rule	2# Delete Rule? N
Old Color	1 New Color	1			Changed Color? N
Parameter 1 #	0 Old Param. 1 ID	freezingrain	New Param. 1 ID	Freezing Rain	Changed Param. 1?
Parameter 2 #	Old Param. 2 ID		New Param. 2 ID		Changed Param. 2? N
Old Value 1	1	New Value 1	Ligi	nt	Changed Value 1? Y
Old Value 2		New Value 2			
Old Operator 1			1		Changed Value 2?
-	> New Opt. 1 >	Changed Opt. 1?	N Old Opt. 2	New Opt. 2	Changed Value 2? Changed Opt. 2?
Old Condensed Impact	> New Opt. 1 > Freezing Rain			New Opt. 2	
Impact Old Full Impact		New Con Impact	idensed Fr	eezing Rain	Changed Opt. 2? Changed Condensed Impact?
Impact Old Full Impact	Freezing Rain Freezing rain > light inten performance.	New Con Impact sity makes operating	the Launcher Loade	eezing Rain	Changed Opt. 2? Changed Condensed Impact? And degrades its
Impact Old Full Impact New Full Impact	Freezing Rain	New Con Impact sity makes operating	the Launcher Loade	eezing Rain	Changed Opt. 2? Changed Condensed Impact? And degrades its
Impact Old Full Impact New Full Impact	Freezing Rain Freezing rain > light inten performance. Freezing rain > light inten	New Con Impact sity makes operating	the Launcher Loade	eezing Rain	Changed Opt. 2? Changed Condensed Impact? And degrades its
Impact Old Full Impact New Full Impact	Freezing Rain Freezing rain > light inten performance. Freezing rain > light inten	New Con Impact sity makes operating sity makes operating	the Launcher Loade	eezing Rain	Changed Opt. 2? Changed Condensed Impact? And degrades its and degrades its
Impact Old Full Impact New Full Impact Old Source	Freezing Rain Freezing rain > light inten performance. Freezing rain > light inten performance.	New Con Impact sity makes operating sity makes operating 2);	the Launcher Loade	eezing Rain	Changed Opt. 2? Changed Condensed Impact? And degrades its and degrades its
Impact Old Full Impact New Full Impact Old Source	Freezing Rain Freezing rain > light inten performance. Freezing rain > light inten performance. (1st Cavalry Division, 199	New Con Impact sity makes operating sity makes operating 2);	the Launcher Loade	eezing Rain	Changed Opt. 2? Changed Condensed Impact? And degrades its and degrades its
Impact Old Full Impact New Full Impact Old Source New Source	Freezing Rain Freezing rain > light inten performance. Freezing rain > light inten performance. (1st Cavalry Division, 199	New Con Impact sity makes operating sity makes operating 2);	the Launcher Loade	eezing Rain	Changed Opt. 2? Changed Condensed Impact? And degrades its and degrades its
Impact Old Full Impact New Full Impact Old Source	Freezing Rain Freezing rain > light inten performance. Freezing rain > light inten performance. (1st Cavalry Division, 199	New Con Impact sity makes operating sity makes operating 2);	the Launcher Loade	eezing Rain	Changed Opt. 2? Changed Condensed Impact? And degrades its and degrades its

ID# 51 Sub	system Name LA	UNCHER LOADER MO	DULE	Rule 1 # 58 Rule	2 # Delete Rule? N
Old Color	1 New Color	1			Changed Color? N
Parameter 1 #	17 Old Param. 1 ID	snow	New Param. 1 ID	Snow	Changed Param. 1? N
Parameter 2 #	Old Param. 2 ID		New Param. 2 ID		Changed Param. 2?
Old Value 1	3	New Value 1	Mo	derate	Changed Value 1? Y
Old Value 2		New Value 2			Changed Value 2?
Old Operator 1	= New Opt. 1 >	Changed Opt. 1?	Y Old Opt. 2	New Opt. 2	Changed Opt. 2?
Old Condensed Impact	Snow	New Cond Impact	densed	Heavy Snow	Changed Condensed Impact?
Old Full Impact	Snow > moderate intensi	ty makes operating the	Launcher Loade	r Module difficult ar	nd degrades its performance.
New Full Impact	Snow > moderate intensi	ty makes operating the	Launcher Loade	r Module difficult ar	nd degrades its performance.
Old Source	(1st Cavalry Division, 199	(2);			Changed Full Impact N
New Source	Rule validated by USAFA	S, POC SFC Garrett, 3	Dec 1997		
Comments					
			(C) C (L)		4 Ol
Change to Source	ce? Y	Are There Any	(2) Options? N		Any Change to Record?
		UNCHER LOADER MO	DULE	Rule 1 # 62 Rule	
Old Color	1 New Color	1	N		Changed Color? N
Parameter 1 #	1 Old Param. 1 ID	blowingsand	New Param. 1 ID		
Parameter 2 #	Old Param. 2 ID] New Yolko 4	New Param. 2 ID		Changed Param. 2?
Old Value 1	1	New Value 1		Yes	Changed Value 1? Y
Old Operator 1	- Now Oat 1	New Value 2	N Old Opt. 2	New Opt. 2	Changed Value 2?
Old Operator 1	= New Opt. 1 =				Changed Opt. 2?
Old Condensed Impact	Blowing Sand	Impact	Jensed	Blowing Sand	Changed Condensed Impact?
Old Full Impact	Any occurrence of blowing operational time of the La	ig sand increases the f uncher Loader Module	requency of reques.	ired maintenance a	nd reduces the amount of
New Full Impact	Any occurrence of blowir operational time of the La			ired maintenance a	nd reduces the amount of
					Changed Full Impact N
Old Source	(1st Cavalry Division, 199	2);			
New Source	Rule validated by USAFA	S, POC SFC Garrett, 3	Dec 1997		
Comments					
Change to Source	ce? Y	Are There Any ((2) Options? N		Any Change to Record? Y

ID # 53 Subs	ystem Name	M109 MUNITIONS		Rule 1 # 12 Ru	lle 2 # Delete Rule? N
Old Color	New Color	1			Changed Color? N
Parameter 1 # 2	2 Old Param. 1 ID	temperature	New Param. 1 ID	Temperatur	e Changed Param. 1? N
Parameter 2 #	Old Param. 2 ID		New Param. 2 ID		Changed Param. 2?
Old Value 1	-40	New Value 1	_	40 F	Changed Value 1? N
Old Value 2		New Value 2			Changed Value 2?
Old Operator 1	<= New Opt. 1 <=	Changed Opt. 1?	Old Opt. 2	New Opt. 2	Changed Opt. 2?
Old Condensed Impact	Cold	New Cond Impact	lensed	Extreme Cold	Changed Condensed Impact?
Old Full Impact	emperatures <= -40 F de	crease the safe firing r	ange.		
New Full Impact	emperatures <= -40 F de	crease the safe firing r	ange.		
L					Changed Full Impact N
Old Source (1st Cavalry Division, 199	2);			
New Source	M 43-0001-28, Page 3-78	, Jul 1987			
Comments					
Channe to Saure	2 [V]	Are There Any (2) Options? N	1	Any Change to Record? Y
Change to Source	9? Y	Ale There Ally	2) Options: 14		Ally change to Necola:
1D # 54 Out-		M109 MUNITIONS		Rule 1 # 21 Ru	ıle 2 # Delete Rule? N
	ystem Name 1 New Color	1		Rule I # 21 Ru	lle 2 # Delete Rule? N Changed Color? N
	2 Old Param. 1 ID	temperature	New Param. 1 ID	Temperatur	
Parameter 2 #	Old Param. 2 ID	temperature	New Param. 2 ID		Changed Param. 2?
Old Value 1	125	New Value 1		25 F	Changed Value 1? N
Old Value 2		New Value 2			Changed Value 2?
Old Operator 1	>= New Opt. 1 >=		N Old Opt. 2	New Opt. 2	Changed Opt. 2?
Old Condensed Impact	Hot	New Cond		Extreme Heat	Changed Condensed Impact?
	Temperatures >= 125 F cl	·	inge and can cau	se breakdown of t	
. [-				
New Full Impact	Temperatures >= 125 F cl	hange the safe firing ra	inge and can cau	se breakdown of t	he propellants.
			***********		Changed Full Impact N
Old Source	1st Cavalry Division, 199	92);			
New Source	ГМ 43-0001-28, Page 3-78	3, Jul 1987			
Comments					
Change to Source	e? Y	Are There Any	(2) Options? N]	Any Change to Record? Y

ID# 55 Sul							
1D# 99 3u	bsystem Name M	IAINTENANCE FUNCT	TON	Rule 1 # 9	Rule 2#	Delete Rule	? N
Old Color	1 New Color	1				Changed Color?	N
Parameter 1 #	22 Old Param. 1 ID	temperature	New Param. 1 I	D Temperat	ure	Changed Param. 1'	N
Parameter 2 #	Old Param. 2 ID		New Param. 2 I	D		Changed Param. 21	
Old Value 1	-20	New Value 1		- 20 F		Changed Value 1?	N
Old Value 2		New Value 2				Changed Value 2?	
Old Operator 1	<= New Opt. 1 <=	Changed Opt. 1?	N Old Opt. 2	New Opt. 2		Changed Opt. 2	?
Old Condensed Impact	Cold	New Condimpact	densed	extreme Cloid		Changed Condensed Impact?	Y
Old Full Impact	Temperature < -20 F cause	e the maintenance fun	ction to take five	e times longer.			
New Full Impac	Temperature < - 20 F caus	e the maintenance fu	nction to take fiv	re times longer.			-
Old Source	(1st Cavalry Division, 1992	2);				Changed Full Impac	N
New Source	FM 9-207, Page 1-5, Aug 1	989					
Comments							
Change to Sour	ce? Y	Are There Any	(2) Options? N		Any	y Change to Record?	Y
	اسسما			_			
		-		Mark			
ID# 56 Sul	psystem Name	MAVERICK		Rule 1 # 35	Rule 2#	Delete Rule	? Y
ID# 56 Sul	osystem Name New Color	MAVERICK		Rule 1 # 35	Rule 2#	Delete Rule Changed Color?	
		MAVERICK visibility	New Param. 1 II	لمستحصا	Rule 2 #		
Old Color	2 New Color		New Param. 1 II	D	Rule 2 #	Changed Color?	
Old Color Parameter 1 #	2 New Color 26 Old Param. 1 ID			D	Rule 2 #	Changed Color? Changed Param. 13	
Old Color Parameter 1 # Parameter 2 #	2 New Color 26 Old Param. 1 ID Old Param. 2 ID	visibility		D	Rule 2#	Changed Color? Changed Param. 13 Changed Param. 23	
Old Color Parameter 1 # Parameter 2 # Old Value 1	2 New Color 26 Old Param. 1 ID Old Param. 2 ID	visibility New Value 1		D	Rule 2#	Changed Color? Changed Param. 13 Changed Param. 23 Changed Value 1?	
Old Color Parameter 1 # Parameter 2 # Old Value 1 Old Value 2	2 New Color 26 Old Param. 1 ID Old Param. 2 ID 3200	visibility New Value 1 New Value 2 Changed Opt. 1?	New Param. 2 I	D		Changed Color? Changed Param. 13 Changed Param. 23 Changed Value 1? Changed Value 2?	
Old Color Parameter 1 # Parameter 2 # Old Value 1 Old Value 2 Old Operator 1 Old Condensed	2 New Color 26 Old Param. 1 ID Old Param. 2 ID 3200 <= New Opt. 1 Reduced Visibility	New Value 1 New Value 2 Changed Opt. 1? ty New Cond Impact n) does not allow enough	New Param. 2 II Old Opt. 2 densed ugh range for the	D New Opt. 2		Changed Color? Changed Param. 23 Changed Value 1? Changed Value 2? Changed Opt. 23 Changed Condensed Impact?	?
Old Color Parameter 1 # Parameter 2 # Old Value 1 Old Value 2 Old Operator 1 Old Condensed Impact	2 New Color 26 Old Param. 1 ID Old Param. 2 ID 3200 <= New Opt. 1 Reduced Visibility Visibility < 2 miles (3200 m Maverick system to identife)	New Value 1 New Value 2 Changed Opt. 1? ty New Cond Impact n) does not allow enough	New Param. 2 II Old Opt. 2 densed ugh range for the	D New Opt. 2		Changed Color? Changed Param. 23 Changed Value 1? Changed Value 2? Changed Opt. 23 Changed Condensed Impact?	?
Old Color Parameter 1 # Parameter 2 # Old Value 1 Old Value 2 Old Operator 1 Old Condensed Impact Old Full Impact	2 New Color 26 Old Param. 1 ID Old Param. 2 ID 3200 <= New Opt. 1 Reduced Visibility Visibility < 2 miles (3200 m Maverick system to identife)	New Value 1 New Value 2 Changed Opt. 1? ty New Cond Impact n) does not allow enough	New Param. 2 II Old Opt. 2 densed ugh range for the	D New Opt. 2		Changed Color? Changed Param. 23 Changed Value 1? Changed Value 2? Changed Opt. 23 Changed Condensed Impact?	?
Old Color Parameter 1 # Parameter 2 # Old Value 1 Old Value 2 Old Operator 1 Old Condensed Impact Old Full Impact	2 New Color 26 Old Param. 1 ID Old Param. 2 ID 3200 <= New Opt. 1 Reduced Visibility Visibility < 2 miles (3200 m Maverick system to identife)	visibility New Value 1 New Value 2 Changed Opt. 1? ty New Cond Impact n) does not allow enouty and lock-on the target	New Param. 2 II Old Opt. 2 densed ugh range for the	D New Opt. 2		Changed Color? Changed Param. 23 Changed Value 1? Changed Value 2? Changed Opt. 23 Changed Condensed Impact?	he
Old Color Parameter 1 # Parameter 2 # Old Value 1 Old Value 2 Old Operator 1 Old Condensed Impact Old Full Impact	2 New Color 26 Old Param. 1 ID Old Param. 2 ID 3200 <= New Opt. 1 Reduced Visibility Visibility < 2 miles (3200 m Maverick system to identife)	visibility New Value 1 New Value 2 Changed Opt. 1? ty New Cond Impact n) does not allow enouty and lock-on the target	New Param. 2 II Old Opt. 2 densed ugh range for the	D New Opt. 2		Changed Color? Changed Param. 13 Changed Param. 23 Changed Value 1? Changed Value 2? Changed Opt. 23 Changed Condensed Impact?	he
Old Color Parameter 1 # Parameter 2 # Old Value 1 Old Value 2 Old Operator 1 Old Condensed Impact Old Full Impact New Full Impact	2 New Color 26 Old Param. 1 ID Old Param. 2 ID 3200 <= New Opt. 1 Reduced Visibility Visibility < 2 miles (3200 m Maverick system to identife)	New Value 1 New Value 2 Changed Opt. 1? ty New Cond Impact n) does not allow enough and lock-on the target	New Param. 2 II Old Opt. 2 densed ugh range for the	D New Opt. 2	er the ai	Changed Color? Changed Param. 13 Changed Param. 23 Changed Value 1? Changed Value 2? Changed Opt. 23 Changed Condensed Impact? rcraft and then use to	he
Old Color Parameter 1 # Parameter 2 # Old Value 1 Old Value 2 Old Operator 1 Old Condensed Impact Old Full Impact New Full Impact Old Source	2 New Color 26 Old Param. 1 ID Old Param. 2 ID 3200 <= New Opt. 1 Reduced Visibility Visibility < 2 miles (3200 m Maverick system to identife) (1st Cavalry Division, 1992 Delete Rule: No reference	New Value 1 New Value 2 Changed Opt. 1? ty New Cond Impact n) does not allow enough and lock-on the target	New Param. 2 II Old Opt. 2 densed ugh range for the	D New Opt. 2	er the ai	Changed Color? Changed Param. 13 Changed Param. 23 Changed Value 1? Changed Value 2? Changed Opt. 23 Changed Condensed Impact? rcraft and then use to	he

IWEDA Subsystem Rules ID # 57 MAVERICK Subsystem Name Rule 1# 48 N Rule 2# Delete Rule? Old Color **New Color** Changed Color? N Parameter 1 # 26 Old Param, 1 ID visibility New Param, 1 ID Visibility Changed Param. 1? N New Param, 2 ID Parameter 2 # Old Param. 2 ID Changed Param. 2? Old Value 1 4800 New Value 1 4800 meters Changed Value 1? New Value 2 Old Value 2 Changed Value 2? Changed Opt. 1? N Old Operator 1 Old Opt. 2 New Opt. 1 New Opt. 2 Changed Opt. 2? Reduced Visibility Old Condensed **New Condensed** Low Visibility Changed Impact Impact Condensed Impact? Old Full Impact Visibility < 3 miles (4800 m) makes it difficult for the pilot to maneuver the aircraft and then use the Maverick system to identify and lock-on the target. New Full Impact Visibility < 3 miles (4800 m) makes it difficult for the pilot to maneuver the aircraft and then use the Maverick system to identify and lock-on the target. N Changed Full Impact Old Source (1st Cavalry Division, 1992); **New Source** AFI 11-214, Para 6.3.1, Feb 1997 Comments Change to Source? Υ Are There Any (2) Options? N Any Change to Record? MAVERICK Rule 1 # 103 Rule 2 # 103 Delete Rule? N ID# 58 Subsystem Name Changed Color? N Old Color **New Color** N 4 Old Param. 1 ID cloudcover New Param. 1 ID **Cloud Cover** Changed Param. 1? Parameter 1 # 3 Old Param. 2 ID cloudbase New Param, 2 ID Cloud Base Changed Param. 2? N Parameter 2 # Old Value 1 0 New Value 1 None Changed Value 1? 3000 New Value 2 2500 ft. Old Value 2 Changed Value 2? Old Operator 1 Changed Opt. 1? N Old Opt. 2 Changed Opt. 2? New Opt. 1 < New Opt. 2 Clouds Low Clouds Old Condensed **New Condensed** Changed Impact Impact Condensed Impact? Cloud bases < 3000 ft make it difficult for the missile to maintain a cloud free flight path and therefore can miss Old Full Impact the target. New Full Impact Cloud bases < 2500 ft. make it difficult for the missile to maintain a cloud free flight path. Changed Full Impact Y Old Source (1st Cavalry Division, 1992); T.O. 1-1M-34, Page 1-95, 96, Figure 1-60, May 1991 **New Source**

Y

Comments

Change to Source?

Are There Any (2) Options?

IWEDA Subsystem Rules Rule 1 # 104 MAVERICK 104 N Rule 2# Delete Rule? ID# 59 Subsystem Name **New Color** 2 Changed Color? N Old Color N Old Param. 1 ID cloudcover New Param. 1 ID **Cloud Cover** Changed Param. 1? Parameter 1 # 4 cloudbase New Param. 2 ID Cloud Base Changed Param. 2? N Old Param. 2 ID Parameter 2 # 0 New Value 1 Changed Value 1? N Old Value 1 1000 1300 ft. Y New Value 2 Changed Value 2? Old Value 2 Changed Opt. 1? N Old Opt. 2 Changed Opt. 2? N < New Opt. 2 Old Operator 1 New Opt. 1 Clouds **New Condensed** Low Clouds Changed Old Condensed Υ Condensed Impact? Impact Impact Old Full Impact Cloud bases < 1000 ft make it very difficult for the missile to maintain a cloud free flight path and therefore can miss the target. New Full Impact Cloud bases < 1300 ft. make it very difficult for missile to maintain cloud free flight path. Υ Changed Full Impact Old Source (1st Cavalry Division, 1992); T.O. 1-1M-34, Page 1-95, 96, Figure 1-60, May 1991 **New Source** Comments Υ Υ Any Change to Record? Change to Source? Υ Are There Any (2) Options? N MLQ-34 ANTENNA Rule 1# 32 Rule 2# Delete Rule? ID# 60 Subsystem Name 2 Changed Color? N New Color Old Color N thunderstorm New Param. 1 ID **Thunderstorm** Changed Param. 1? Parameter 1 # 23 Old Param. 1 ID Changed Param. 2? New Param. 2 ID Parameter 2 # Old Param. 2 ID New Value 1 Changed Value 1? Old Value 1 yes Old Value 2 New Value 2 Changed Value 2? Changed Opt. 2? Old Operator 1 New Opt. 1 Changed Opt. 1? | N Old Opt. 2 New Opt. 2 Old Condensed **New Condensed** Thunderstorm Changed Thunderstorm Condensed Impact? Impact Impact Old Full Impact Any occurrence of thundersotrms affect operations, system performance, and precludes mast erection. Antenna must be stowed during a storm. New Full Impact Any occurrence of thundersotrms affect operations, system performance, and precludes mast erection. Antenna must be stowed during a storm. Changed Full Impact | N Old Source (1st Cavalry Division, 1992); FM 34-81-1, Appendix I-9, Dec 1992 **New Source** Comments

Change to Source?

Are There Any (2) Options?

N

Y

ID# 61	Subsystem	Name	MLQ-34	ANTENNA			Rule 1#	56	Rule 2	2 #	Delete Rule	? N
Old Color	2	New Color	2							CI	nanged Color?	N
Parameter 1	# 10 O	ld Param. 1 ID	freezingi	ain	New Pa	ram. 1 I	D F	eezing l	Rain	Chan	ged Param. 1?	N
Parameter 2	2 # O	ld Param. 2 ID			New Pa	ram. 2 I	D			Chan	ged Param. 2?	· 🗌
Old Value 1		0	Ne	w Value 1			None			Chang	ed Value 1?	Y
Old Value 2			Ne	w Value 2						Chang	ed Value 2?	
Old Operato	or 1 >	New Opt. 1	> Change	d Opt. 1?	Old C	pt. 2	Ne	w Opt. 2	2	CI	nanged Opt. 21	?
Old Conden Impact	sed	Freezing	Rain	New Cond Impact	densed		Freezin	g Rain		Change	ed ised Impact?	N
Old Full Imp			eezing rain redu on. Freezing rai								itenna. May a	lso
New Full Im	pact Any o	ccurrence of fr	eezing rain redu	ces antenn	a stabilit	y, may	also pred	lude ma	ast ere	ection.		
										Chang	ed Full Impact	Y
Old Source	(1st Ca	avalry Division	, 1992);								eu ruii iiipaci	
New Source	FM 34	-81-1, Appendi	x M-8, Dec 1992									
Comments							.,					
01			A	Th A	(0) 0-4:	-0 1				A Ob	- t- D10	
Change to S	source?	Y	Are	There Any ((2) Option	is? N			•	Any Chang	ge to Record?	Y
ID # 50							D. L. 4.0			.,,	Date Date	2 []
ID# 62	Subsystem	_	MLQ-34	ANTENNA			Rule 1#	63	Rule 2		Delete Rule' nanged Color?	
Old Color Parameter	1 1 # 21 C	New Color Id Param. 1 ID	surfacewing	lengad	New Pa	ram 1 !	ID Surfa	ice Wind	d Spoo		ged Param. 1?	
Parameter 2		old Param. 2 ID	Surfacewirk	ispeeu	New Pa			ice will	J Spee		ged Param. 19 ged Param. 27	
Old Value 1		30	Ne	w Value 1	INCWFA		30 kts.		$\overline{}$		ed Value 1?	N
Old Value 1		30		w Value 1 w Value 2			JU KLS.				ed Value 2?	
Old Value 2		New Opt. 1		_	N Old C	Int 2	N/	ew Opt. 2	2		nanged Opt. 2	, 🗏
Old Conden		Surface V		New Cond		.pt. 2	Surface			Change	-	
Impact	iseu	Juriace	771110	Impact	aciised		Ourido	, wiiia			nsed Impact?	N
Old Full Imp			>= 30 kts moder full height to pre							enna wou	ld have to	
New Full Im			>= 30 kts moder full height to pre							enna wou	ld have to	
										Chanc	ed Full Impact	N
Old Source	(1st C	avalry Division	, 1992);								,pao	
New Source	FM 34	-81-1, Appendi	x 1-4, Dec 1992									
Comments												
					(A) A ::	-	<u> </u>				,	
Change to	Source?	Y	Are	There Any	(2) Option	ns?	4			Any Chan	ge to Record?	Υ

		IWEDA Su	bsystem R	ules			
ID# 63 Subsyste	em Name	MLQ-34 ANTENNA		Rule 1 # 73	Rule 2#	Delete Rule?	N
Old Color 2	New Color	2				Changed Color?	N
Parameter 1 # 21	Old Param. 1 ID	surfacewindspeed	New Param. 1 I	Surface Win	d Speed	Changed Param. 1?	N
Parameter 2 #	Old Param. 2 ID		New Param. 2 I	D		Changed Param. 2?	
Old Value 1	43	New Value 1		50 kts.		Changed Value 1?	Y
Old Value 2		New Value 2				Changed Value 2?	
Old Operator 1 >=	New Opt. 1 >=	Changed Opt. 1?	N Old Opt. 2	New Opt.	2	Changed Opt. 2?	
Old Condensed Impact	Surface Win	d New Con Impact	densed St	rong Surface Wi	nd	Changed Condensed Impact?	Y
Old Full Impact Surf	ace wind speed >= 4	3 kts exceeds the oper	ating limits and t	the antenna mus	t be stow	/ed.	
New Full Impact Surf	ace wind speed >= 5	0 kts. exceeds the ope	rating limits and	the antenna mu	st be stov	wed.	
L						Changed Full Impact	Υ
Old Source (1st	Cavalry Division, 19	92);				3	L
New Source FM 3	34-84-1, Appendix I-5	5, Dec 1992					
Comments		,					
	TV .	A Th A	(2) O-ti2 N	1	A	. Ohanna ta Danardo	V
Change to Source?	Y	Are There Any	(2) Options? N		Ally	/ Change to Record?	Υ
ID# 64 Subsyste	em Name	MLRS MUNITIONS		Rule 1 # 12	Rule 2#	Delete Rule?	N
Old Color 1	New Color	1		Nuic I # 12	Nuic 2 #	Changed Color?	N
	Old Param. 1 ID	temperature	New Param. 1 II	Tempera	ture	Changed Param. 1?	N
Parameter 2 #	Old Param. 2 ID	temperature	New Param. 2 II	t		Changed Param. 2?	-
Old Value 1	-40	New Value 1		40 F		Changed Value 1?	N
Old Value 2		New Value 2				Changed Value 2?	
Old Operator 1 <=	New Opt. 1 <=		N Old Opt. 2	New Opt. 2	,	Changed Opt. 2?	
Old Condensed	Cold	New Con-		Extreme Cold		Changed	Y
Impact		Impact				Condensed Impact?	1
Old Full Impact Tem	peratures <= -40 F c	hange the safe firing ra	nge.				
New Full Impact Tem	peratures <= - 40 F o	change the safe firing ra	ange.				
					_	Changed Full Impact	N
Old Source (1st	Cavalry Division, 19	92);		-		Onangou i un impact	L.,
New Source Rule	validated by USAF/	AS, POC SFC Garrett, 3	Dec 1997				
Comments							

Υ

Change to Source?

Are There Any (2) Options?

ID# 65 Sub	system Name		VILRS MU	INITIONS			Rule	1 # 21	Rule 2#	Delete Rule	? N
Old Color	1 New Col	or 1								Changed Color?	N
Parameter 1 #	22 Old Param. 1 l	D te	mperatu	re	New Pa	ıram. 1	ID	Tempera	ture	Changed Param. 13	N
Parameter 2 #	Old Param. 2 i	D			New Pa	ıram. 2	ID D			Changed Param. 23	, <u> </u>
Old Value 1	125		New	Value 1			125 F			Changed Value 1?	N
Old Value 2			New	Value 2						Changed Value 2?	
Old Operator 1	>= New Opt. 1	>= (Changed	Opt. 1? [N Old (Opt. 2		New Opt. 2	2	Changed Opt. 2	?
Old Condensed Impact	H	lot		New Con Impact	densed		Extre	eme Heat		Changed Condensed Impact?	Y
Old Full Impact	Temperatures >= 1	25 F chang	je the saf	e firing r	ange and	can ca	ause br	eakdown c	of the pro	opellants.	
New Full Impact	Temperatures >= 1	25 F chang	je the sat	e firing ra	ange and	can ca	use br	eakdown o	of the pro	opellants.	
										Changed Full Impact	t N
Old Source	(1st Cavalry Divisi	on, 1992);									
New Source	Rule validated by	USAFAS, P	OC SFC	Garrett, 3	Dec 199	7					
Comments											
Change to Sour	ce? Y		Are T	here Any	(2) Optio	ns? [i	N		Ar	ny Change to Record?	Y
ID# 66 Sub	osystem Name	NB	C PRESS	URIZATI	ON		Rule	1 # 24	Rule 2#	Delete Rule	? N
Old Color	2 New Col	or 1					J			Changed Color?	Y
Parameter 1 #	22 Old Param. 1	D te	emperatu	re	New Pa	aram. 1	ID	Tempera	ture	Changed Param. 13	Y
Parameter 2 #	Old Param. 2	D			New Pa	aram. 2	ID 🗌			Changed Param. 23	· 🖳
Old Value 1	100		New	Value 1	_		100 F			Changed Value 1?	N
Old Value 2			New	Value 2						Changed Value 2?	
Old Operator 1	>= New Opt. 1	>=	Changed	Opt. 1? [N Old	Opt. 2		New Opt. 2	2	Changed Opt. 2	?
Old Condensed Impact	F	lot		New Con Impact	densed		Ve	ery Hot		Changed Condensed Impact?	Y
Old Full Impact	Temperatures >= Engine output is r			ade the e	ngine pe	rforma	nce wh	en the NB	C protec	tive system is operat	ing.
New Full Impac	Temperatures >= Engine output is r			ade the e	ngine pe	erforma	nce wh	en the NB	C protec	tive system is operat	ing.
										Changed Full Impac	t N
Old Source	(1st Cavalry Divis	on, 1992);									
New Source	Personal interview NC National Guard			1997, SFC	James '	Wicker,	, Mainte	enance Co	mpany F	HC1-52 Armor Batta	lion,
Comments											
Change to Sour	ce? Y		Are 7	There Any	(2) Optio	ns?	N		Ai	ny Change to Record?	Υ

			IWE	DA Su	bsyst	tem R	ules						
ID# 67 Su	bsystem	Name	OH-58	ENGINE			Rule	1#	68 R	tule 2#		Delete Rule	? Y
Old Color	2	New Color									Ch	nanged Color	?
Parameter 1 #	21 0	ld Param. 1 ID	surfacewind	speed	New P	aram. 1	ID				Chang	ged Param. 1	?
Parameter 2 #	0	ld Param. 2 ID			New P	aram. 2	ID 🗌				Chang	ged Param. 2	?
Old Value 1		45	Nev	v Value 1							Chang	ed Value 1?	
Old Value 2			Nev	v Value 2							Chang	ed Value 2?	
Old Operator 1	>	New Opt. 1	Changed	1 Opt. 1? [Old	Opt. 2		New	Opt. 2		Ch	nanged Opt. 2	!? 🗌
Old Condensed Impact		Surface V	Vind	New Con Impact	densed						Change Conden	ed ised Impact?	
Old Full Impact	Surfac	e winds >= 45	kts exceeds the	systems o	perating	limits t	to start	t engir	ies.				
New Full Impac	t					··. ·· · · · · · · · · · · · · · · ·							
											Change	ed Full Impac	 :t
Old Source	(1st Ca	valry Division,	1992);										
New Source	Delete	Rule: Incorpor	ated in OH-58C	System Ru	ıle ID# 1	61.							
Comments													
Comments													
Change to Sour	ce?	Υ	Are ·	There Any	(2) Optio	ns? N	1			Any	Chang	e to Record?	Y
	osystem 1	Name New Color	PERSONNE	_ MOVEMI	ENT		Rule	1#	28 R	ule 2 #[Ch	Delete Rule	
Old Color Parameter 1 #		_	snowdep	th	Now D	aram. 1 I	וח					ged Param. 1	
Parameter 2 #		ld Param. 1 ID ld Param. 2 ID ि	Silowdep		_	aram. 2 I	<u> </u>					ged Param. 2 ged Param. 2	
Old Value 1		3	Nev	v Value 1	I NEW F	araiii. 2 i				$\overline{}$	_	ed Value 1?	· -
Old Value 2		<u> </u>		v Value 2						ᅱ	_	ed Value 2?	
Old Operator 1	>=	New Opt. 1		Opt. 1?	Old	Opt. 2	1	New (Ont 2			anged Opt. 2	,
Old Condensed		Snow Co		New Con		Opt. 2		14011	Jpt. 2		 Change		. \square
Impact		31104 00	VCI	Impact	delised							sed Impact?	
Old Full Impact	Total s	now depth >= ;	3 inces makes m	ovement	difficult.								
New Full Impact	t								-				
Old Source	(1st Ca	valry Division,	1992);								Change	ed Full Impac	л <u> </u>
New Source	Delete	Rule: Too rest	ricitive. FM 90-2	2 talks on	ly of dee	p snow	. See	Rule II	D# 69				
Comments													
Change to Sour	ce?		Are "	There Any	(2) Optio	ns? N	1			Any	Chang	e to Record?	Y

ID# 69 Sul									
1D # 69 3ul	osystem Name	PERSONNE	L MOVEME	ENT	Rule	1 # 29 Rul	e 2 #[Delete Rule?	N
Old Color	2 New Color	1						Changed Color?	Y
Parameter 1 #	18 Old Param. 1 ID	snowdep	oth	New Para	am. 1 ID	Snow Depth		Changed Param. 1?	N
Parameter 2 #	Old Param. 2 ID			New Para	am. 2 ID			Changed Param. 2?	
Old Value 1	6	Nev	v Value 1		6 in.]	Changed Value 1?	N
Old Value 2		Nev	v Value 2					Changed Value 2?	
Old Operator 1	>= New Opt. 1	>= Changed	Opt. 1?	N Old Op	ot. 2	New Opt. 2		Changed Opt. 2?	
Old Condensed Impact	Snow Co	ver	New Cond Impact	densed	Moderat	e Snow Cover		Changed Condensed Impact?	Y
Old Full Impact	Total snow depth >= 6	inces makes m	novement v	very difficu	ult.				
New Full Impact	Total snow depth >= 6	inches makes	movement	very diffic	cult.				
Old Source	(1st Cavalry Division,	1992);						Changed Full Impact	N
New Source	FM 90-22, Chapter 1, F TBMED 81, Para 3.c.(1 FM 31-71, Para 1-12a(2	0), Sep 1976	1						
Comments									
Change to Sour	ce? Y	Are -	There Any	(2) Options	? N		Any	Change to Record?	Y
-									
ID# 70 Sui	osystem Name	PERSONNE	L MOVEME	NT	Bulo	1 # 54 Rule	_		
Old Color	2 New Color			-141	Rule	1 7 34 170	e 2#	Delete Rule?	N
Parameter 1 #		1		-141	Rule	1 # 34 Kui	e 2 #	Delete Rule? Changed Color?	N Y
	14 Old Param. 1 ID	1 rain		New Para		Rain	e 2 #		
Parameter 2 #	14 Old Param. 1 ID Old Param. 2 ID				am. 1 ID		e 2 #	Changed Color?	Y
_		rain	v Value 1	New Para	am. 1 ID	Rain	e 2 #[Changed Color? Changed Param. 1?	Y
Parameter 2 #	Old Param. 2 ID	rain Nev	v Value 2	New Para	am. 1 ID am. 2 ID Modera	Rain	e 2 #[Changed Color? Changed Param. 1? Changed Param. 2?	Y N
Parameter 2 # Old Value 1	Old Param. 2 ID	rain Nev		New Para	am. 1 ID am. 2 ID Modera	Rain	e 2 #[Changed Color? Changed Param. 1? Changed Param. 2? Changed Value 1?	Y N Y
Parameter 2 # Old Value 1 Old Value 2	Old Param. 2 ID 2 New Opt. 1	rain Nev Nev	v Value 2	New Para	mam. 1 ID mam. 2 ID Modera	Rain		Changed Color? Changed Param. 1? Changed Param. 2? Changed Value 1? Changed Value 2?	Y N Y
Parameter 2 # Old Value 1 Old Value 2 Old Operator 1 Old Condensed Impact	Old Param. 2 ID 2 New Opt. 1	rain Nev Nev Changed	v Value 2 I Opt. 1? I New Cond Impact	New Para New Para Nold Op	mm. 1 ID mm. 2 ID Modera	Rain ite New Opt. 2		Changed Color? Changed Param. 1? Changed Param. 2? Changed Value 1? Changed Value 2? Changed Opt. 2? Changed	Y
Parameter 2 # Old Value 1 Old Value 2 Old Operator 1 Old Condensed Impact Old Full Impact	Old Param. 2 ID 2 > New Opt. 1 Precipitat	rain Nev Nev Changed tion	v Value 2 I Opt. 1? I New Condimpact vement ver	New Para New Para N Old Op densed	Modera	Rain ite New Opt. 2		Changed Color? Changed Param. 1? Changed Param. 2? Changed Value 1? Changed Value 2? Changed Opt. 2? Changed	Y
Parameter 2 # Old Value 1 Old Value 2 Old Operator 1 Old Condensed Impact Old Full Impact	Old Param. 2 ID 2 > New Opt. 1 Precipitat Rain > moderate inten	rain Nev Nev Changed tion	v Value 2 I Opt. 1? I New Condimpact vement ver	New Para New Para N Old Op densed	Modera	Rain ite New Opt. 2		Changed Color? Changed Param. 1? Changed Param. 2? Changed Value 1? Changed Value 2? Changed Opt. 2? Changed Condensed Impact?	Y N Y Y
Parameter 2 # Old Value 1 Old Value 2 Old Operator 1 Old Condensed Impact Old Full Impact	Old Param. 2 ID 2 > New Opt. 1 Precipitat Rain > moderate inten	rain Nev Nev Changed tion sity makes move	v Value 2 I Opt. 1? I New Condimpact vement ver	New Para New Para N Old Op densed	Modera	Rain ite New Opt. 2		Changed Color? Changed Param. 1? Changed Param. 2? Changed Value 1? Changed Value 2? Changed Opt. 2? Changed	Y N Y Y
Parameter 2 # Old Value 1 Old Value 2 Old Operator 1 Old Condensed Impact Old Full Impact New Full Impact	Old Param. 2 ID 2 > New Opt. 1 Precipitat Rain > moderate intent t Rain > moderate intent	rain Nev Nev Changed tion asity makes move 1992);	v Value 2 I Opt. 1? I New Condimpact vement ver	New Para New Para N Old Op densed	Modera	Rain ite New Opt. 2		Changed Color? Changed Param. 1? Changed Param. 2? Changed Value 1? Changed Value 2? Changed Opt. 2? Changed Condensed Impact?	Y N Y Y
Parameter 2 # Old Value 1 Old Value 2 Old Operator 1 Old Condensed Impact Old Full Impact New Full Impact Old Source New Source	Old Param. 2 ID 2 > New Opt. 1 Precipitat Rain > moderate intent t Rain > moderate intent (1st Cavalry Division,	rain Nev Nev Changed tion asity makes move 1992);	v Value 2 I Opt. 1? I New Condimpact vement ver	New Para New Para N Old Op densed	Modera	Rain ite New Opt. 2		Changed Color? Changed Param. 1? Changed Param. 2? Changed Value 1? Changed Value 2? Changed Opt. 2? Changed Condensed Impact?	Y N Y Y
Parameter 2 # Old Value 1 Old Value 2 Old Operator 1 Old Condensed Impact Old Full Impact New Full Impact Old Source	Old Param. 2 ID 2 > New Opt. 1 Precipitat Rain > moderate intent t Rain > moderate intent (1st Cavalry Division,	rain Nev Nev Changed tion asity makes move 1992);	v Value 2 I Opt. 1? I New Condimpact vement ver	New Para New Para N Old Op densed	Modera	Rain ite New Opt. 2		Changed Color? Changed Param. 1? Changed Param. 2? Changed Value 1? Changed Value 2? Changed Opt. 2? Changed Condensed Impact?	Y N Y Y

ID# 71 Su	bsystem Na	me	PERSONNE	L MOVEM	ENT		Rule 1#	55	Rule	2#		Delete Rul	e? Y
Old Color	2	New Color									Chai	nged Colo	r? 🔲
Parameter 1 #	10 Old P	aram. 1 ID	freezingr	ain	New Pa	aram. 1 II	ס				Change	d Param.	1?
Parameter 2 #	Old P	aram. 2 ID			New Pa	aram. 2 II	O				Change	d Param.	2?
Old Value 1		1	Nev	w Value 1						(Changed	d Value 1?	
Old Value 2			Nev	w Value 2						(Changed	d Value 2?	
Old Operator 1	> Ne	w Opt. 1	Change	d Opt. 1?	Old	Opt. 2	Ne	w Opt.	2		Chai	nged Opt.	2?
Old Condensed Impact		Freezing Ra	in	New Con Impact	densed						Changed Condense	ed Impact?	, 🗆
Old Full Impact	Freezing r	ain > light int	ensity makes	movement	t very dif	ficult an	d severe	ly degr	ades	effect	tiveness	·.	
New Full Impac	t												
Old Source	(1st Caval	ry Division, 1	992);						-		Changed	i Full Impa	ct
New Source	Delete Ru	le: Too restri	ctive. FM 90-2	2 does not	specific	ally mer	ition free	zing ra	in. Se	ee Rul	le ID# 72	2.	
Comments													
Change to Sour	ce?		Are	There Any	(2) Optio	ns? N	1			Any	Change	to Record	? Y
	osystem Na		PERSONNE	L MOVEME	ENT		Rule 1 #	56	Rule	2#		Delete Rul	
Old Color	1	New Color	1		1							nged Color	
Parameter 1 #		aram. 1 ID	freezingr	ain	_	ıram. 1 II		eezing	Rain		_	d Param.	
Parameter 2 #	Old P	aram. 2 ID			New Pa	ram. 2 II		····			_	d Param. 2	
Old Value 1		0		v Value 1			None				_	Value 1?	Y
Old Value 2		2 (4		v Value 2	1 04	> o		0-1				Value 2?	- 2 ⊟
Old Operator 1		w Opt. 1		,		Opt. 2		w Opt.	2		_	nged Opt.	
Old Condensed Impact		Freezing Ra	iin	New Con- Impact	aensea		Freezin	g Kain			hanged condense	ed Impact?	N
Old Full Impact	Any occur	rence of free	zing rain make	s moveme	ent diffic	ult.							
New Full Impac	Any occur	rence of free	zing rain make	es moveme	ent diffic	ult and d	liminishe	es effec	tiven	ess			
Old Source	(1st Caval	ry Division, 1	992);							7	Changed	i Full Impa	ct Y
New Source	FM 90-22,	Chapter 1, Ja	n 1991				*******						
Comments													
	1												

IWEDA Subsystem Rules PERSONNEL MOVEMENT ID# 73 Subsystem Name Rule 1# 58 Rule 2# Delete Rule? N 2 **New Color Changed Color?** Υ Old Color 17 New Param. 1 ID Snow Changed Param, 1? N Parameter 1 # Old Param. 1 ID snow Parameter 2 # Old Param. 2 ID New Param. 2 ID Changed Param. 2? 3 Moderate Old Value 1 New Value 1 Changed Value 1? Old Value 2 New Value 2 Changed Value 2? Changed Opt. 1? Y Old Opt. 2 Changed Opt. 2? Old Operator 1 New Opt. 1 New Opt. 2 Old Condensed New Condensed **Heavy Snow** Changed Snow Impact Condensed Impact? Impact Old Full Impact | Snow > moderate intensity makes movement very difficult. New Full Impact Snow > moderate intensity makes movement very difficult. Changed Full Impact N **Old Source** (1st Cavalry Division, 1992); **New Source** FM 90-22, Chapter 1, Jan 1991 TBMED 81, Para 3(c)10, Sep 1976 Comments Y N Y Change to Source? Are There Any (2) Options? Any Change to Record? PERSONNEL MOVEMENT Rule 1# 59 Rule 2# Delete Rule? ID# 74 Subsystem Name Old Color **New Color** Changed Color? New Param. 1 ID Changed Param. 1? 17 Old Param. 1 ID Parameter 1 # snow Parameter 2 # Old Param. 2 ID New Param. 2 ID Changed Param. 2? Old Value 1 New Value 1 Changed Value 1? New Value 2 Changed Value 2? Old Value 2 Old Operator 1 Changed Opt. 1? Old Opt. 2 New Opt. 2 Changed Opt. 2? New Opt. 1 **New Condensed** Old Condensed Snow Changed Impact Condensed Impact? Impact Old Full Impact Snow > light intensity makes movement difficult. New Full Impact Changed Full Impact **Old Source** (1st Cavalry Division, 1992); **New Source** Delete Rule: FM 90-22, Jan 1991 and TBM 81, Sep 1976 speak only of deep snow. See Rule ID# 73 Comments

Change to Source?

Are There Any (2) Options?

N

ID# 75 Su	bsystem Name PERSONNEL	MOVEMENT	Rule 1 #	65 Rule 2 #	Delete Rule?	N
Old Color	2 New Color 2				Changed Color?	N
Parameter 1 #	21 Old Param. 1 ID surfacewind	speed New Pa	ram. 1 ID Surfa	e Wind Speed	Changed Param. 1?	N
Parameter 2 #	Old Param. 2 ID	New Pa	ram. 2 ID		Changed Param. 2?	
Old Value 1	40 New	Value 1	40 kts.		Changed Value 1?	N
Old Value 2	New	/ Value 2			Changed Value 2?	
Old Operator 1	>= New Opt. 1 >= Changed	Opt. 1? N Old 0	Opt. 2 Ne	w Opt. 2	Changed Opt. 2?	
Old Condensed Impact	Surface Wind	New Condensed Impact	Strong Surf	ace Wind	Changed Condensed Impact?	Y
Old Full Impact	Surface wind speed >= 40 kts makes	novement very dif	ficult and severly	degrades effec	tiveness.	
New Full Impac	t Surface wind speed >= 40 kts makes i	movement very dif	ficult and danger	nus and savoriv	degrades effectivene	ee
New I dii iiipac	Surface will speed >= 40 kg makes i	novement very un	neurt and danger	ous and severny	degrades effectivene	33
					Changed Full Impact	Y
Old Source	(1st Cavalry Division, 1992);					
New Source	FM 90-22, Chapter 1, Para "Wind," Jar	1 1991				
Comments						\equiv
Change to Sour	ce? Y Are 1	here Any (2) Option	ns? N	Any	/ Change to Record?	Y
•						
ID# 76 Sul	bsystem Name PERSONNEL	MOVEMENT	Rule 1 #	66 Rule 2 #	Delete Rule?	N
Old Color	1 New Color 1				Changed Color?	N
Parameter 1 #	21 Old Param. 1 ID surfacewinds	peed New Pa	ram. 1 ID Surfac	e Wind Speed	Changed Param. 1?	N
Parameter 2 #	Old Param. 2 ID	New Pa	ram. 2 ID	* * * * * * * * * * * * * * * * * * * *	Changed Param. 2?	
Old Value 1	25 New	Value 1	25 kts.		Changed Value 1?	N
Old Value 2	New	Value 2			Changed Value 2?	
Old Operator 1	>= New Opt. 1 >= Changed	Opt. 1? N Old C	pt. 2 Nev	v Opt. 2	Changed Opt. 2?	
Old Condensed Impact	Surface Wind	New Condensed Impact	Surface	1	Changed Condensed Impact?	N
Old Full Impact	Surface wind speed >= 25 kts makes r	novement difficult	and degrades eff	ectiveness.		
Now Eull Impact	Surface wind speed >= 25 kts makes r	novement difficult	and dogrades off	activeness		_
New Full Impac	Surface wind speed >= 25 kts makes i	novement announ	and degrades en	ecuveness.		
					Changed Full Impact	N
Old Source	(1st Cavalry Division, 1992);					
New Source	FM 90-22, Chapter 1, Para "Wind,", Fig	ure B2, Jan 1991				
		•				
						- 1
Comments						$\overline{}$
Comments						

		IWEDA Su	bsystem Rul	es				
ID# 77 Sul	bsystem Name	PPS-5B BATTERY	R	ule 1 # 8	Rule 2#		Delete Rule?	Y
Old Color	1 New Color			L	·	Ch	anged Color?	П
Parameter 1 #	22 Old Param. 1 ID	temperature	New Param. 1 ID			Chang	ed Param. 1?	H
Parameter 2 #	Old Param. 2 ID		New Param. 2 ID			Chang	ed Param. 2?	П
Old Value 1	17	New Value 1				Change	ed Value 1?	
Old Value 2		New Value 2				Change	ed Value 2?	$\overline{\Box}$
Old Operator 1	<= New Opt. 1	Changed Opt. 1?	Old Opt. 2	New Opt. 2	2	Ch	anged Opt. 2?	
Old Condensed Impact	Cold	New Con Impact	densed			Change Condens	d sed Impact?	
Old Full Impact	Temperatures <= 17 F re	duce the useful life of t	the battery. The PP	S-5B works at	approxin	nately 2	0% of capacit	ty.
New Full Impac	t							
Old Source	(1st Cavalry Division, 19	92);				Change	ed Full Impact	
New Source	Delete Rule: No mentio	n of this temperature se	ensitivity in TM 11-5	5840-298-12, Pa	ara 3-28,	Jun 198	6	
Comments								
ID# 78 Sul	bsystem Name S	MOKE GRENADE LAUN	ICHER R	ule 1 # 56	Rule 2#		Delete Rule?	N
Old Color	1 New Color	1				Ch	anged Color?	N
Parameter 1 #	10 Old Param. 1 ID	freezingrain	New Param. 1 ID	Freezing I	Rain	Chang	ed Param. 1?	N
Parameter 2 #	Old Param. 2 ID		New Param. 2 ID			Chang	ed Param. 2?	
Old Value 1	0	New Value 1	No	one		Change	ed Value 1?	Y
Old Value 2	·	New Value 2				Change	ed Value 2?	
Old Operator 1	> New Opt. 1 >	Changed Opt. 1?	N Old Opt. 2	New Opt. 2	2	Ch	anged Opt. 2?	'
Old Condensed Impact	Freezing Ra	in New Con Impact	densed F	reezing Rain		Change Conden	d sed Impact?	N
Old Full Impact	Any occurrence of freez	ing rain may accumula	te on the launcher	and cause pro	blems wh	ien laur	ching.	
New Full Impac	Any occurrence of freez	ing rain may accumula	te on the launcher a	and cause pro	blems wh	nen laur	nching.	
Old Source	(1st Cavalry Division, 1	992);				Change	ed Full Impact	N
New Source	Personal interview with Army National Guard, F		M Donald Schwab H	IHC1-52 Armo	red Batta	lion, No	rth Carolina	
Comments								

Are There Any (2) Options?

Y

Change to Source?

ID # 79 Sub	osystem Name SM	OKE GRENADE LAUN	CHER	Rule 1 # 59 Rule	2# Delete Rule?	N		
Old Color	1 New Color	1			Changed Color?	N		
Parameter 1 #	17 Old Param. 1 ID	snow	New Param. 1 I	D Snow	Changed Param. 1?	N		
Parameter 2 #	Old Param. 2 ID		New Param. 2 I	D	Changed Param. 2?			
Old Value 1	1	New Value 1		Light	Changed Value 1?	Y		
Old Value 2		New Value 2			Changed Value 2?			
Old Operator 1	> New Opt. 1 >	Changed Opt. 1?	N Old Opt. 2	New Opt. 2	Changed Opt. 2?			
Old Condensed Impact	Snow	New Cond Impact	densed	Snow	Changed Condensed Impact?	N		
Old Full impact	Snow > light intensity ma	y accumulate on the la	auncher and cau	ise problems when la	unching.			
New Full Impact	Snow > light intensity ma	y accumulate on the la	uncher and cau	se problems when la	unching.			
					Changed Full Impact	N		
Old Source	(1st Cavalry Division, 199	2);						
New Source	Personal interview with SME, 12 Nov 1997. CSM Donald Schwab HHC1-52 Armored Battalion, North Carolina Army National Guard, Ft. Bragg, NC.							
Comments								
			(a) a (i) a (ii)		A 01 (D			
Change to Source	ce? Y	Are There Any	(2) Options? N		Any Change to Record?	Υ		
		OLDIER EFFECTIVEN	ESS	Rule 1 # 7 Rule		\vdash		
Old Color	2 New Color	2	l N 4 (D	Changed Color?	N		
Parameter 1 #	22 Old Param. 1 ID	temperature	New Param. 1 I		Changed Param. 1?	N		
Parameter 2 #	Old Param. 2 ID	New Value 1	New Param. 2 I		Changed Param. 2?	N		
Old Value 1	-25			- 25 F	Changed Value 1? Changed Value 2?			
Old Value 2	Alaw Ont 4	New Value 2	N Old Opt 3	New Opt. 2	Changed Opt. 2?	\vdash		
Old Operator 1	<= New Opt. 1 <=	Changed Opt. 1?						
Old Condensed Impact	Cold	New Cond Impact	aensea	Extreme Cold	Changed Condensed Impact?	Υ		
Old Full Impact	Temperatures of -25 F or I	below make it very diff	ficult for an expe	osed soldier to perfor	m.			
New Full Impact	Temperatures <= -25F req	uires survival efforts.						
					Changed Full Impact	Y		
Old Source	(1st Cavalry Division, 199	2);						
New Source	FM 90-22, Chapter 1, Figu FM 31-71, Figure 2-1, Jun							
Comments								
Change to Sour	ce? Y	Are There Any	(2) Options? N		Any Change to Record?	Υ		

IWEDA Subsystem Rules ID# 81 Subsystem Name SOLDIER EFFECTIVENESS Rule 1# 14 N Rule 2# Delete Rule? Old Color **New Color** Changed Color? N Old Param. 1 ID Parameter 1 # 22 temperature New Param. 1 ID Changed Param, 1? N Temperature Parameter 2 # Old Param. 2 ID New Param, 2 ID Changed Param. 2? Old Value 1 10 New Value 1 10 F Changed Value 1? New Value 2 Old Value 2 Changed Value 2? Old Operator 1 New Opt. 1 Changed Opt. 1? N Old Opt. 2 Changed Opt. 2? New Opt. 2 **Old Condensed** Cold **New Condensed** Very Cold Changed Impact Impact Condensed Impact? Old Full Impact Temperatures of 10 F or below make it difficult for an unprotected soldier to perform. New Full Impact Temperatures of <= 10 F diminishes performance and effectiveness. Υ Changed Full Impact Old Source (1st Cavalry Division, 1992); **New Source** FM 90-22, Chapter 1, Figure B2, Jan 1991 Comments Change to Source? Y Are There Any (2) Options? N Any Change to Record? SOLDIER EFFECTIVENESS Delete Rule? N ID# 82 Subsystem Name Rule 1 # 19 Rule 2# N Changed Color? Old Color **New Color** Parameter 1 # 22 Old Param. 1 ID temperature New Param. 1 ID **Temperature** Changed Param. 1? N Parameter 2 # Old Param. 2 ID New Param. 2 ID Changed Param. 2? New Value 1 85 85 F Changed Value 1? Old Value 1 Old Value 2 New Value 2 Changed Value 2? Changed Opt. 1? | N | Old Opt. 2 Changed Opt. 2? Old Operator 1 New Opt. 1 New Opt. 2 **New Condensed** Old Condensed Hot Hot Changed Ν Impact Condensed Impact? Impact Old Full Impact | Temperatures >= 85 F degrade crew effectiveness and performance due to possible heat stress. New Full Impact Temperatures >= 85 F degrade crew effectiveness and performance due to possible heat stress. Changed Full Impact | N Old Source (1st Cavalry Division, 1992); **New Source** TBMED 507, Section III, Jul 1980 FM 90-22, Chapter 1, Para "Heat," Jan 1991 Comments

Y

Change to Source?

N

Are There Any (2) Options?

Any Change to Record?

ID# 83 Su	bsystem Name	SOLDIER EFFECTIVEN	IESS R	ule 1 # 20 Rule 2	# Delete Rule?	N
Old Color	2 New Color	2			Changed Color?	N
Parameter 1 #	22 Old Param. 1 ID	temperature	New Param. 1 ID	Temperature	Changed Param. 1?	N
Parameter 2 #	Old Param. 2 ID		New Param. 2 ID		Changed Param. 2?	T
Old Value 1	95	New Value 1	95	F	Changed Value 1?	N
Old Value 2		New Value 2			Changed Value 2?	
Old Operator 1	>= New Opt. 1 >=	Changed Opt. 1?	N Old Opt. 2	New Opt. 2	Changed Opt. 2?	
Old Condensed Impact	Hot	New Con Impact	densed E	xtreme Heat	Changed Condensed Impact?	Y
Old Full Impact	Temperatures >= 95 F se	verely degrade crew e	ffectiveness and pe	rformance due to pre	obable heat stress.	
New Full Impac	t Wet Bulb temperatures >	= 95 F severely degrac	le effectiveness and	l performance due to	heat stress	
					Changed Full Impact	Υ
Old Source	(1st Cavalry Division, 199	2);				
New Source	TBMED 507, Section II, Para					
Comments						
Change to Sour	ce? Y	Are There Any	(2) Options? N	A	Any Change to Record?	Y
ID# 84 Su	bsystem Name S	OLDIER EFFECTIVEN	ESS R	ule 1 # 84 Rule 2	# Delete Rule?	N
Old Color	2 New Color	2			Changed Color?	N
Parameter 1 #	27 Old Param. 1 ID	windchill	New Param. 1 ID	Wind Chill	Changed Param. 1?	N
Parameter 2 #	Old Param. 2 ID		New Param. 2 ID		Changed Param. 2?	
Old Value 1	-25	New Value 1	- 25	5 F	Changed Value 1?	N
Old Value 2		New Value 2			Changed Value 2?	
Old Operator 1	< New Opt. 1 <	Changed Opt. 1?	N Old Opt. 2	New Opt. 2	Changed Opt. 2?	
Old Condensed Impact	Wind Chill	New Con- Impact	densed Extre	eme Wind Chill	Changed Condensed Impact?	Y
Old Full Impact	Effective temperatures < of freezing exposed flesh		cult for a soldier to	perform without she	elter and presents dange	r
New Full Impac	Effective temperatures < of freezing exposed flesh	-25 F make it very diffi	cult for a soldier to	perform without she	elter and presents dange	r
					Changed Full Impact	N
Old Source	(1st Cavalry Division, 199	2);				
New Source	FM 90-22, Chapter 1, Figu	re B2, Jan 1991				
Comments						
Change to Sour				A		Y

							
		IWEDA Sul	osystem Rul	es			
ID# 85 Sub	osystem Name	STINGER-AIR	R	ule 1 # 56 R	ule 2#	Delete Rule?	N
Old Color	2 New Color	2				Changed Color?	N
Parameter 1 #	10 Old Param. 1 ID	freezingrain	New Param. 1 ID	Freezing Ra	in (Changed Param. 1?	N
Parameter 2 #	Old Param. 2 ID		New Param. 2 ID			Changed Param. 2?	
Old Value 1	0	New Value 1	No	ne	С	hanged Value 1?	Y
Old Value 2		New Value 2			C	hanged Value 2?	
Old Operator 1	> New Opt. 1	> Changed Opt. 1?	N Old Opt. 2	New Opt. 2		Changed Opt. 2?	? <u> </u>
Old Condensed Impact	Freezing F	Rain New Cond Impact	densed F	reezing Rain		nanged ondensed Impact?	N
Old Full Impact	Any occurrence of fre missile very difficult.	ezing rain will freeze the n	nissile to the aircra	aft missile launc	her rails a	and make firing the	9
New Full Impact	Any occurrence of fre	ezing rain will obscure the	e lens making targe	et acquisition ve	ry difficu	lt.	
						hanged Full Impact	Υ
Old Source	(1st Cavalry Division,	1992);	·			manged Full Impact	
New Source	Personal interviews w	rith SME, 19 Nov 1997. CW	R James D. Morga	n, Master Gunne	er, 82 Avi	ation Brigade, Ft.	
	Bragg, NC.						
Comments							
Change to Sour	ce? Y	Are There Any	(2) Options? N		Any C	Change to Record?	Y
ID # 86 Sub	osystem Name	STINGER-AIR	R	ule 1 # 77 R	ule 2 #	Delete Rule?	? N
Old Color	2 New Color	2				Changed Color?	N
Parameter 1 #	12 Old Param. 1 ID	icingintensity	New Param. 1 ID	Icing Intens	ity	Changed Param. 1?	N
Parameter 2 #	Old Param. 2 ID		New Param. 2 ID		(Changed Param. 2?	· [
Old Value 1	1	New Value 1	Li	ght	c	hanged Value 1?	Υ
Old Value 2		New Value 2			c	Changed Value 2?	
Old Operator 1	> New Opt. 1	>= Changed Opt. 1?	Y Old Opt. 2	New Opt. 2		Changed Opt. 27	?
Old Condensed impact	Icing Ale	oft New Condimpact	densed	Icing Aloft		hanged ondensed Impact?	N
Old Full Impact	Icing intensity >= mod missile very difficult.	derate will freeze the miss	ile to the aircraft m	issile launcher	rails and	make firing the	
New Full Impac	lcing intensity >= ligh	it will obscure the lens ma	king target acquisi	tion very difficu	it.		
						Changed Full Impact	Y
Old Source	(1st Cavalry Division,	1992);				manged i dii impaci	
New Source	Personal interviews v Bragg, NC.	vith SME, 19 Nov 1997. CW	/R James D. Morga	n, Master Gunn	er, 82 Avi	iation Brigade, Ft.	
Comments							

Are There Any (2) Options?

Change to Source?

Any Change to Record?

			IVV	DA Su	bsyst	em R	Rules					
ID # 87 Sul	bsystem	Name	STING	ER-GRND			Rule 1	# 17	Rule 2#		Delete Rule?	? N
Old Color	2	New Color	2							C	hanged Color?	N
Parameter 1 #	22 Ol	d Param. 1 ID	temperat	ure	New P	aram. 1	ID	Temper	ature	Chan	iged Param. 1?	N
Parameter 2 #	Ole	d Param. 2 ID			New P	aram. 2	ID			Chan	iged Param. 2?	' [
Old Value 1		120	Ne	w Value 1	140 F					Changed Value 1?		
Old Value 2			Ne	w Value 2						Chang	ged Value 2?	
Old Operator 1	>=	New Opt. 1	> Change	d Opt. 1?	Y Old	Opt. 2	1	New Opt.	2	C	hanged Opt. 2?	?
Old Condensed Impact		Hot		New Con Impact	densed		Extre	me Heat		Change Conde	ed nsed Impact?	Y
Old Full Impact	Temper	atures > 120 F	exceed the op	erational li	nits.							
New Full Impac	Temper	ratures > 140 F	exceed the op	erational li	nits.							
										Chanc	ged Full Impact	Y
Old Source	(1st Ca	valry Division,	1992);							Chang	jed i dii iliipaci	
New Source	FM 44-1	18, Page 9-5, N	lav 1985									
			,									
Comments				***					····			
Change to Sour	ce? Y	7	Are	There Any	(2) Optio	ns? N	V		An	v Chan	ge to Record?	Y
					(-, -,					,	•	L
ID# 88 Sub	bsystem l	Name	STING	R-GRND			Rule 1	# 97	Rule 2#	97	Delete Rule?	? Y
Old Color	1	New Color							-	CI	hanged Color?	
Parameter 1 #	3 Old	i Param. 1 ID	cloudba	se	New P	aram. 1	ID			Chan	ged Param. 1?	
Parameter 2 #	4 Old	Param. 2 ID	cloudco	/er	New P	aram. 2	ID			Chan	ged Param. 2?	
Old Value 1		2500	Ne	w Value 1						Chang	ged Value 1?	
Old Value 2		0	Ne	w Value 2						Chang	ged Value 2?	
Old Operator 1	<=	New Opt. 1	Change	d Opt. 1?	Old	Opt. 2	> 1	lew Opt.	2	CI	hanged Opt. 2?	, <u> </u>
Old Condensed Impact		Clouds	s	New Cond Impact	densed					Change Conder	ed nsed Impact?	
Old Full Impact	Cloud b	ases < 2500 ft	make the visua	I detection	and ide	ntificat	ion of ai	rcraft ve	ry difficul	t.		
New Full Impact	t											
Old Source	(1st Cav	valry Division,	1992);							Chang	ged Full Impact	
		· · · · · · · · · · · · · · · · · · ·		OME 44:	466					0	- 00 A. !-#!-	
New Source	Delete I Brigade	kule: Personal , Ft Bragg, NC	interviews with This is a "see	and strike	ov 1997 weapo	n. Cloud	James D d bases	and cov	n, master er not sig	nificant	r, 62 Aviation L.	
Comments												
Change to Sour	ce? Y	7	Are	There Any	(2) Optio	ns? Y	7		An	y Chanc	ge to Record?	Y

		IWEDA Su	bsyst	em Ru	les				
ID# 89 Sub	system Name	STINGER-GRND	-		Rule 1 # 102	Rule 2#	102	Delete Rule?	? Y
Old Color	1 New Color					_	C	hanged Color?	
Parameter 1 #	3 Old Param. 1 ID	cloudbase	New Pa	ıram. 1 ID)		Chan	ged Param. 1?	
Parameter 2 #	4 Old Param. 2 ID	cloudcover	New Pa	ram. 2 ID			Chan	ged Param. 2?	Г
Old Value 1	5000	New Value 1					Chang	ged Value 1?	
Old Value 2	0	New Value 2					Chang	ged Value 2?	
Old Operator 1	< New Opt. 1	Changed Opt. 1?	Old	Opt. 2	> New Opt.	2	C	hanged Opt. 2?	,
Old Condensed Impact	Clouds	New Cond Impact	densed		Clouds		Change Conde	ed nsed Impact?	
Old Full Impact	Cloud bases < 5000 ft n	nake the visual detection	and ide	ntificatio	n of aircraft di	fficult.			
Now Full loop and									
New Full Impact									
					, ,, ,		Chanc	jed Full Impact	
Old Source	(1st Cavalry Division, 1	992);						,	
New Source	Delete Bule: Personal i	nterviews with SME, 19 N	lov 1997	CWP Is	mae D. Moraa	n Maetar	Gunno	r 92 Aviation	
New Gource		This is a "see and strike							
Comments									
Comments									
Change to Source	ce? Y	Are There Any	(2) Optio	ns? Y		An	v Chan	ge to Record?	Y
						·			
ID# 90 Sub	osystem Name	TACFIRE COMPUTE			Rule 1 # 7	Rule 2#		Delete Rule?	N
Old Color	2 New Color	2			raic i # _ /	Nule 2 #		hanged Color?	N
Parameter 1 #	22 Old Param. 1 ID	temperature	New Pa	aram. 1 ID	Temper	aturo	_	ged Param. 1?	
Parameter 2 #	Old Param. 2 ID	tomporataro	3	ram. 2 ID	•		_	ged Param. 2?	
Old Value 1	-25	New Value 1	,		25 F			ged Value 1?	N
Old Value 2		New Value 2						ged Value 2?	
Old Operator 1	<= New Opt. 1 <	Changed Opt. 1?	N Old (Opt. 2	New Opt.	2		hanged Opt. 2?	, -
Old Condensed	Cold	New Con-			Extreme Cold		Change	_	Y
Impact		Impact					Conde	nsed Impact?	
Old Full Impact	Temperatures <= -25 F	are below the operationa	l limits	of the cor	mputer.				
New Full Impact	Temperatures <= -25 F	are below the operations	llimits	of the cor	mputer.				
							Chang	ged Full Impact	N
Old Source	(1st Cavalry Division, 1	992);							
New Source	Rule validated by USAI	FAS, POC SFC Garrett, 3	Dec 199	7					
Comments									
Change to Sour	ce? Y	Are There Any	(2) Optio	ns? N		Ar	v Chan	ge to Record?	Υ

ID# 91 Sul	osystem Name	TACFIRE	COMPUTER	<u> </u>	Rule 1#	19 Rule 2	2 # Delete Rule?	N
Old Color	1 New Color	1			_		Changed Color?	N
Parameter 1 #	22 Old Param. 1 ID	temperat	ure	New Param. 1	ID Ten	perature	Changed Param. 1?	N
Parameter 2 #	Old Param. 2 ID			New Param. 2	ID		Changed Param. 2?	
Old Value 1	85	Nev	w Value 1		85 F		Changed Value 1?	N
Old Value 2		Nev	w Value 2				Changed Value 2?	
Old Operator 1	>= New Opt. 1	>= Change	d Opt. 1? N	Old Opt. 2	New	Opt. 2	Changed Opt. 27	
Old Condensed Impact	Но	t	New Cond Impact	ensed	Hot		Changed Condensed Impact?	N
Old Full Impact	Temperatures >= 85	F can cause the	computer to	fail due to he	at buildup.			
New Full Impact	Temperatures >= 85	F can cause the	computer to	fail due to he	at buildun			
ivew i all impac	remperatures == 00	T can oude the	oompator te		at bandap.			
							Changed Full Impact	N
Old Source	(1st Cavalry Division	n, 1992);]	
New Source	Rule validated by US	SAFAS. POC SFC	Garrett, 3 D	Dec 1997				
Comments				· · · · · · · · · · · · · · · · · · ·				
Comments								
Change to Sour	ce? Y	Are	There Any (2	2) Options?	N		Any Change to Record?	Y
	Curto across							
ID# 92 Sul	system Name	TACFIRE	COMPUTER		Rule 1 #	21 Rule 2	2 # Delete Rule?	N
Old Color	2 New Color						Changed Color?	N
Parameter 1 #	22 Old Param. 1 ID		ure	New Param. 1	ID Tem	perature	Changed Param. 1?	N
Parameter 2 #	Old Param. 2 ID			New Param. 2	L		Changed Param. 2?	
Old Value 1	125	Nev	v Value 1		125 F		Changed Value 1?	N
Old Value 2		Nev	v Value 2				Changed Value 2?	
Old Operator 1	>= New Opt. 1	>= Changed	1 Opt. 1? N	Old Opt. 2	New	Opt. 2	Changed Opt. 2?	
Old Condensed Impact	Ho	t	New Condo	ensed	Extreme l	Heat	Changed Condensed Impact?	Y
•	Temperatures >= 12 buildup.	5 F make heat dis		ry difficult and	l leads to co	mputer fail	ure due to excessive hea	at
New Full Impact		5 F make heat dis	sipation ve	ry difficult and	l leads to co	mputer fail	ure due to excessive hea	at
	buildup.		•			•		
							Changed Full Impact	N
Old Source	(1st Cavalry Division	n, 1992);						
New Source	Rule validated by US	SAFAS, POC SFC	Garrett, 3 D	ec 1997				
Comments								
Comments								
Change to Sour	ce? Y	Are	There Any (2	2) Options?	N		Any Change to Record?	Y

ID# 93 Sub	bsystem N	ame	TLQ-17A	ANTENNA		R	ule 1 # 32	Rule 2#	Delete Rule?	N
Old Color	2	New Color	2					•	Changed Color?	N
Parameter 1 #	23 Old	Param. 1 ID	thunderst	orm	New Pa	ram. 1 ID	Surface	Wind	Changed Param. 1?	N
Parameter 2 #	Old	Param. 2 ID			New Pa	ram. 2 ID			Changed Param. 2?	
Old Value 1		1	Ne	w Value 1		25	kts.		Changed Value 1?	Y
Old Value 2			Ne	w Value 2					Changed Value 2?	
Old Operator 1	= N	ew Opt. 1 >	Change	d Opt. 1?	Y Old C	Opt. 2	New Opt.	2	Changed Opt. 2?	
Old Condensed Impact		Thunderstorm		New Con Impact	densed	S	Surface Wind		Changed Condensed Impact?	Y
Old Full Impact		rrence of thunde			ntially si	gnificant I	nazard to equ	ipment a	nd operators. The	
New Full Impact		ise or lower ante cted to exceed 25							ust be guyed if winds	
Old Source	(1st Cava	alry Division, 199	2);						Changed Full Impact	Y
New Source	TM 32-58	65-301-10, Para 2	!-36, Apr 19	992						
Comments										
Change to Sour	ce? Y		Are	There Any	(2) Optior	ns? N		Ar	y Change to Record?	Y
ID # 04 S	havatam N		TO	W-AIR			4 # FC	D.J. 0.4	Polete Bule 2	_
Old Color	bsystem N	New Color	2	W-AIR	•		ule 1 # 56	Rule 2#		N
Parameter 1 #		Param. 1 ID	freezingr	ain	New Pa	ram. 1 ID	Freezing	Rain	Changed Param. 1?	=
Parameter 2 #		Param. 2 ID	- necznigi		_	ram. 2 ID	Treezing		Changed Param. 2?	٠,
Old Value 1		0	Ne	w Value 1	,	No.	NA		_ onangou i arani	Ħ
Old Value 2			No						Changed Value 1?	
Old Operator 1	> N		110	w Value 2			716			
Old Condonnad		ew Opt. 1 >]	_	N Old C		New Opt.	2	Changed Value 2? Changed Value 2? Changed Opt. 2?	
Old Condensed Impact		ew Opt. 1 >	Change	_)pt. 2		2	Changed Value 2? Changed Opt. 2? Changed	Y
Impact		Freezing Rain	Change	d Opt. 1? New Con Impact	densed)pt. 2	New Opt.		Changed Value 2? Changed Opt. 2?	
Impact Old Full Impact	Any occi	Freezing Rain	Change	New Con Impact cause the	densed [Opt. 2 F o freeze to	New Opt.	l make fir	Changed Value 2? Changed Opt. 2? Changed Condensed Impact?	
Impact Old Full Impact	Any occu	Freezing Rain	Changed	New Con Impact cause the	densed [Opt. 2 F o freeze to	New Opt.	l make fir	Changed Value 2? Changed Opt. 2? Changed Condensed Impact? ing very difficult.	
Impact Old Full Impact New Full Impact	Any occi	Freezing Rain urrence of freezing	Changed g rain may g rain > non 2);	New Con Impact cause the	densed [Opt. 2 F o freeze to	New Opt.	l make fir	Changed Value 2? Changed Opt. 2? Changed Condensed Impact? ing very difficult.	N
Impact Old Full Impact New Full Impact Old Source	Any occi	Freezing Rain urrence of freezing e TOW in freezing	Changed g rain may g rain > non 2);	New Con Impact cause the	densed [Opt. 2 F o freeze to	New Opt.	l make fir	Changed Value 2? Changed Opt. 2? Changed Condensed Impact? ing very difficult.	
Impact Old Full Impact New Full Impact Old Source	Any occi	Freezing Rain urrence of freezing e TOW in freezing	Changed g rain may g rain > non 2);	New Con Impact cause the	densed [Opt. 2 F o freeze to	New Opt.	l make fir	Changed Value 2? Changed Opt. 2? Changed Condensed Impact? ing very difficult.	

ID# 95 Sul	osystem Name	TOW-AIR	Rul	e 1 # 60 Rule 2	# Delete Rule?	Y
Old Color	2 New Color				Changed Color?	
Parameter 1 #	17 Old Param. 1 ID	snow	New Param. 1 ID		Changed Param. 1?	
Parameter 2 #	Old Param. 2 ID		New Param. 2 ID		Changed Param. 2?	
Old Value 1	0	New Value 1			Changed Value 1?	
Old Value 2		New Value 2			Changed Value 2?	
Old Operator 1	> New Opt. 1	Changed Opt. 1?	Old Opt. 2	New Opt. 2	Changed Opt. 2?	
Old Condensed Impact	Snow	New Con-	densed		Changed Condensed Impact?	
Old Full Impact	Any occurrence of snow	may cause the missile	to freeze to the rails	and make firing ve	ery difficult.	
New Full Impact						
7.00 · 0.00 · 0.00 · 0.00						
					Changed Full Impact	
Old Source	(1st Cavalry Division, 199	92);				
New Source	Delete Rule: TM 9-1425-4	72-12, Para 2-88, Nov 1	990; Unusual condit	ions makes no mer	ntion of this impact.	
Comments						
Change to Sour	ce? Y	Are There Any	(2) Options? N	A	Any Change to Record?	Y
ID# 96 Sub	osystem Name	TOW-AIR	Rul	e 1 # 76 Rule 2	# Delete Rule?	N
Old Color	2 New Color	2			Changed Color?	N
Parameter 1 #	12 Old Param. 1 ID	icingintensity	New Param. 1 ID	Icing Intensity	Changed Param. 1?	N
Parameter 2 #	Old Param. 2 ID		New Param. 2 ID		Changed Param. 2?	
Old Value 1	0	New Value 1	Non	e	Changed Value 1?	Y
Old Value 2		New Value 2			Changed Value 2?	
Old Operator 1	> New Opt. 1 >		N Old Opt. 2	New Opt. 2	Changed Opt. 2?	
Old Condensed	Icing Aloft	New Cond		ing Aloft	Changed	N
Impact	101119711011	Impact			Condensed Impact?	14
Old Full Impact	Any occurrence of icing	may cause the missile	to freeze to the rails	and make firing ve	ry difficult.	
New Full Impact	Firing the TOW in icing in	ntensity > none is proh	ibited because the w	rarhead can detona	te near the aircraft if the	e
	flight level is between (~i					
					Changed Full Impact	Y
Old Source	(1st Cavalry Division, 199	92);				
New Source	TM 55-1520-236-10, Para	8-51, 8-81, Aug 1994				
Comments						
Comments Change to Sour	ce? Y	Are There Any	(2) Options? N	1	Any Change to Record?	Y

IWEDA Subsystem Rules TOW-GRND ID# 97 Rule 1# Delete Rule? Subsystem Name Rule 2# **New Color** Changed Color? N Old Color New Param. 1 ID Parameter 1 # 16 Old Param. 1 ID slope Slope Changed Param. 1? N Old Param. 2 ID New Param. 2 ID Changed Param, 2? Parameter 2 # New Value 1 7 degrees Old Value 1 Changed Value 1? New Value 2 Old Value 2 Changed Value 2? Changed Opt. 1? N Old Opt. 2 >= New Opt. 2 Changed Opt. 2? Old Operator 1 New Opt. 1 **New Condensed** Slope Old Condensed Slope Changed Condensed Impact? Impact Impact Old Full Impact Slope >= 7 degrees degrades siting accuracy. New Full Impact When firing from a vehicle, slope >= 7 degrees degrades siting accuracy Changed Full Impact Y (1st Cavalry Division, 1992); Old Source **New Source** FM 23-1, Para 1-5, Mar 1996 Comments Y Y Are There Any (2) Options? N Any Change to Record? Change to Source? TOW-GRND Rule 1# 5 Rule 2# Delete Rule? N ID# 98 Subsystem Name Changed Color? N Old Color **New Color** Slope Changed Param. 1? N New Param. 1 ID Parameter 1 # 16 Old Param. 1 ID slope Changed Param. 2? Old Param. 2 ID New Param. 2 ID Parameter 2 # 10 degrees Changed Value 1? Old Value 1 10 New Value 1 New Value 2 Changed Value 2? Old Value 2 Old Operator 1 New Opt. 1 Changed Opt. 1? N Old Opt. 2 New Opt. 2 Changed Opt. 2? Changed **Old Condensed** Slope **New Condensed** Slope Ν Condensed Impact? Impact Impact Old Full Impact Slope >= 10 degrees exceeds the operational limits. New Full Impact When firing from a vehicle, slope >= 10 degrees exceed the operational limits Changed Full Impact Y Old Source (1st Cavalry Division, 1992); **New Source** FM 23-1, Para 1-5, Mar 1996 Comments Any Change to Record? Change to Source? Are There Any (2) Options? N

IWEDA Subsystem Rules TOW-GRND ID# 99 Subsystem Name Rule 1# 18 Rule 2# Delete Rule? 2 **New Color** Changed Color? Ν Old Color Old Param. 1 ID temperature New Param, 1 ID Temperature Changed Param. 1? Parameter 1 # 22 Old Param. 2 ID New Param. 2 ID Changed Param. 2? Parameter 2 # Old Value 1 140 New Value 1 140 F Changed Value 1? N Old Value 2 New Value 2 Changed Value 2? New Opt. 1 Changed Opt. 1? N Old Opt. 2 New Opt. 2 Old Operator 1 Changed Opt. 2? **New Condensed** Extreme Heat Old Condensed Hot Changed Condensed Impact? Impact Impact Old Full Impact Temperatures >= 140 F exceed the maximum operating range. New Full Impact Temperatures >= 140 F exceed the maximum operating range. Changed Full Impact N Old Source (1st Cavalry Division, 1992); TM 9-1425-472-12, Para 2-76, Jan 1980 **New Source** Comments Change to Source? Y Are There Any (2) Options? N Any Change to Record? Y TOW-GRND Rule 2# Delete Rule? ID# 100 Subsystem Name Rule 1# 27 **New Color** Changed Color? N Old Color New Param. 1 ID **Snow Depth** Changed Param. 1? N Old Param. 1 ID snowdepth Parameter 1 # 18 Old Param. 2 ID Changed Param. 2? New Param. 2 ID Parameter 2 # 45 in. Old Value 1 45 New Value 1 Changed Value 1? New Value 2 Changed Value 2? Old Value 2 Changed Opt. 1? N Old Opt. 2 New Opt. 2 Changed Opt. 2? Old Operator 1 New Opt. 1 Old Condensed **Snow Cover** New Condensed Deep Snow Changed Condensed Impact? Impact Impact Old Full Impact Total snow depth >= 45 inches degrades effectiveness by making system siting difficult. New Full Impact Total snow depth >= 45 inches degrades effectiveness by making system siting difficult. Changed Full Impact N Old Source (1st Cavalry Division, 1992); TM 9-1425-472-12, Pg. 2-88, Nov 1990 **New Source** Comments

Υ

Change to Source?

Are There Any (2) Options?

Any Change to Record?

	_
ID # 101 Subsystem Name TOW-GRND Rule 1 # 59 Rule 2 # Delete Rule?	Y
Old Color 1 New Color Changed Color?	
Parameter 1 # 17 Old Param. 1 ID snow New Param. 1 ID Changed Param. 1?	
Parameter 2 # Old Param. 2 ID New Param. 2 ID Changed Param. 2?	
Old Value 1 1 New Value 1 Changed Value 1?	
Old Value 2 New Value 2 Changed Value 2?	
Old Operator 1 > New Opt. 1 Changed Opt. 1? Old Opt. 2 New Opt. 2 Changed Opt. 2?	
Old Condensed Snow New Condensed Changed Impact Condensed Impact?	
Old Full Impact Snow > light intensity produces accumulatons which degrade operational effectiveness.	
	\exists
New Full Impact	
Changed Full Impact	ㅓ
Old Source (1st Cavalry Division, 1992);	
New Source Delete Rule: TM 9-1425-472-12, Para 2-88, Nov 1990; Unusual conditions makes no mention of this impact.	
They double Palet Male. The 5-1425-472 12, 1 and 2 55, 1161 1165, 6 mandair contained makes no mention of the impass	
Comments	_
Comments	
Change to Source? Y Are There Any (2) Options? N Any Change to Record?	Y
ID # 102 Subsystem Name TOW2-AIR Rule 1 # 56 Rule 2 # Delete Rule?	N
ID # 102 Subsystem Name	=
Old Color 2 New Color 2 Changed Color?	N N
Old Color 2 New Color 2 Changed Color? Parameter 1 # 10 Old Param. 1 ID freezingrain New Param. 1 ID Freezing Rain Changed Param. 1?	N
Old Color 2 New Color 2 Changed Color? Parameter 1 # 10 Old Param. 1 ID freezingrain New Param. 1 ID Freezing Rain Changed Param. 1? Parameter 2 # Old Param. 2 ID New Param. 2 ID Changed Param. 2?	N
Old Color 2 New Color 2 Changed Color? Parameter 1 # 10 Old Param. 1 ID freezingrain New Param. 1 ID Freezing Rain Changed Param. 1? Parameter 2 # Old Param. 2 ID New Param. 2 ID Changed Param. 2?	N N
Old Color 2 New Color 2 Changed Color? Parameter 1 # 10 Old Param. 1 ID freezingrain New Param. 1 ID Freezing Rain Changed Param. 1? Parameter 2 # Old Param. 2 ID New Param. 2 ID Changed Param. 2? Old Value 1 0 New Value 1 None Changed Value 1?	N N
Old Color 2 New Color 2 Changed Color? Parameter 1 # 10 Old Param. 1 ID freezingrain New Param. 1 ID Freezing Rain Changed Param. 1? Parameter 2 # Old Param. 2 ID New Param. 2 ID Changed Param. 2? Old Value 1 0 New Value 1 None Changed Value 1? Old Value 2 Changed Value 2? Old Operator 1 > New Opt. 1 > Changed Opt. 1? N Old Opt. 2 New Opt. 2 Changed Opt. 2?	N N
Old Color 2 New Color 2 Changed Color? Parameter 1 # 10 Old Param. 1 ID freezingrain New Param. 1 ID Freezing Rain Changed Param. 1? Parameter 2 # Old Param. 2 ID New Param. 2 ID Changed Param. 2? Old Value 1 0 New Value 1 None Changed Value 1? Old Value 2 Changed Value 2? Old Operator 1 > New Opt. 1 > Changed Opt. 1? N Old Opt. 2 New Opt. 2 Changed Opt. 2? Old Condensed Freezing Rain New Condensed Freezing Rain Changed	N N Y
Old Color 2 New Color 2 Parameter 1 # 10 Old Param. 1 ID freezingrain New Param. 1 ID Freezing Rain Changed Param. 1 Parameter 2 # Old Param. 2 ID New Param. 2 ID Changed Param. 2? Old Value 1 0 New Value 1 None Changed Value 1? Old Value 2 New Opt. 1 New Opt. 1 New Opt. 2 Changed Opt. 2? Old Condensed Freezing Rain New Condensed Freezing Rain Changed Opt. 2? Old Condensed Impact Condensed Impact Old Full Impact Any occurrence of freezing rain may cause the missile to freeze to the rails and make firing very difficult.	N N Y
Old Color 2 New Color 2 Changed Color? Parameter 1 # 10 Old Param. 1 ID freezingrain New Param. 1 ID Freezing Rain Changed Param. 1? Parameter 2 # Old Param. 2 ID New Param. 2 ID Changed Param. 2? Old Value 1 0 New Value 1 None Changed Value 1? Old Value 2 Changed Value 2? Old Operator 1 > New Opt. 1 > Changed Opt. 1? N Old Opt. 2 New Opt. 2 Changed Opt. 2? Old Condensed Freezing Rain New Condensed Impact Condensed Impact?	N N Y
Old Color 2 New Color 2 Changed Color? Parameter 1 # 10 Old Param. 1 ID freezingrain New Param. 1 ID Freezing Rain Changed Param. 1? Parameter 2 # Old Param. 2 ID New Param. 2 ID Changed Param. 2? Old Value 1 0 New Value 1 None Changed Value 1? Old Value 2 New Value 2 Changed Value 2? Old Operator 1 > New Opt. 1 > Changed Opt. 1? N Old Opt. 2 New Opt. 2 Changed Opt. 2? Old Condensed Impact Preezing Rain New Condensed Impact Condensed Impact Old Full Impact Any occurrence of freezing rain may cause the missile to freeze to the rails and make firing very difficult. New Full Impact Firing the TOW in freezing rain > none is prohibited because the warhead may ditonate near the aircraft.	N N Y
Old Color 2 New Color 2 Parameter 1 # 10 Old Param. 1 ID freezingrain New Param. 1 ID Freezing Rain Changed Param. 1? IP Parameter 2 # Old Param. 2 ID New Param. 2 ID Changed Param. 2? Old Value 1 ONew Value 1 None Changed Value 1? IP Old Value 2 New Value 2 Changed Value 2? Old Operator 1 > New Opt. 1 > Changed Opt. 1? NOId Opt. 2 New Opt. 2 Changed Opt. 2? Old Condensed Impact Preezing Rain New Condensed Impact Condensed Impact Condensed Impact Preezing Rain Changed Condensed Impact Preezing Rain Changed Condensed Impact Condensed Impact Preezing Rain Changed Condensed Impact Preezing Rain Changed Condensed Impact Condensed Impact Preezing Rain Changed Condensed Impact Preezing Rain Changed Condensed Impact Condensed Impact Preezing Rain Changed Condensed Impact Condensed Impact Condensed Impact Preezing Rain Changed Condensed Impact Condensed Impa	N N N N N N N N N N N N N N N N N N N
Old Color 2 New Color 2 Changed Color? Parameter 1 # 10 Old Param. 1 ID freezingrain New Param. 1 ID Freezing Rain Changed Param. 1? IP Parameter 2 # Old Param. 2 ID New Param. 2 ID Changed Param. 2? Old Value 1 0 New Value 1 None Changed Value 1? Changed Value 2? Old Operator 1 > New Opt. 1 > Changed Opt. 1? N Old Opt. 2 New Opt. 2 Changed Opt. 2? Old Condensed Freezing Rain New Condensed Freezing Rain Changed Condensed Impact Old Full Impact Any occurrence of freezing rain may cause the missile to freeze to the rails and make firing very difficult. New Full Impact Firing the TOW in freezing rain > none is prohibited because the warhead may ditonate near the aircraft. Changed Full Impact Changed Full Impact Changed Condensed Impact Changed Condensed Impact Changed Condensed Impact Changed Full Impact Chang	N N N N N N N N N N N N N N N N N N N
Old Color 2 New Color 2 Parameter 1 # 10 Old Param. 1 ID freezingrain New Param. 1 ID Freezing Rain Changed Param. 1? Parameter 2 # Old Param. 2 ID New Param. 2 ID Changed Param. 2? Old Value 1 0 New Value 1 None Changed Value 1? Old Value 2 New Value 2 Changed Value 2? Old Operator 1 > New Opt. 1 > Changed Opt. 1? N Old Opt. 2 New Opt. 2 Changed Opt. 2? Old Condensed Freezing Rain New Condensed Freezing Rain Changed Condensed Impact Old Full Impact Any occurrence of freezing rain may cause the missile to freeze to the rails and make firing very difficult. New Full Impact Firing the TOW in freezing rain > none is prohibited because the warhead may ditonate near the aircraft.	N N N N N N N N N N N N N N N N N N N
Old Color 2 New Color 2 Changed Color? Parameter 1 # 10 Old Param. 1 ID freezingrain New Param. 1 ID Freezing Rain Changed Param. 1? Parameter 2 # Old Param. 2 ID New Param. 2 ID Changed Param. 2? Old Value 1 0 New Value 1 None Changed Value 1? Old Value 2 New Opt. 1 New Opt. 1 New Opt. 2 Changed Opt. 2? Old Condensed Freezing Rain New Condensed Freezing Rain Changed Condensed Impact Old Full Impact Any occurrence of freezing rain may cause the missile to freeze to the rails and make firing very difficult. New Full Impact Firing the TOW in freezing rain > none is prohibited because the warhead may ditonate near the aircraft. Changed Full Impact Changed Impact Old Source (1st Cavalry Division, 1992); New Source TM 55-1520-236-10, Para 8-51, 8-81, Aug 1994	N N N N N N N N N N N N N N N N N N N
Old Color 2 New Color 2 Changed Color? Parameter 1 # 10 Old Param. 1 ID freezingrain New Param. 1 ID Freezing Rain Changed Param. 1? IP Parameter 2 # Old Param. 2 ID New Param. 2 ID Changed Param. 2? Old Value 1 0 New Value 1 None Changed Value 1? Changed Value 2? Old Operator 1 > New Opt. 1 > Changed Opt. 1? N Old Opt. 2 New Opt. 2 Changed Opt. 2? Old Condensed Freezing Rain New Condensed Freezing Rain Changed Condensed Impact Old Full Impact Any occurrence of freezing rain may cause the missile to freeze to the rails and make firing very difficult. New Full Impact Firing the TOW in freezing rain > none is prohibited because the warhead may ditonate near the aircraft. Changed Full Impact Changed Full Impact Changed Condensed Impact Changed Condensed Impact Changed Condensed Impact Changed Full Impact Chang	N N N N N N N N N N N N N N N N N N N

			IWE	DA Su	bsyst	em R	ules					
ID# 103	Subsystem	Name	TOW	2-AIR			Rule 1	# 60	Rule 2#		Delete Rule	? Y
Old Color	2	New Color							_	C	hanged Color?	
Parameter 1	# 17 OI	d Param. 1 ID	snow		New P	aram. 1	ID			Changed Param. 1?		
Parameter 2	# OI	d Param. 2 ID			New P	aram. 2	D			Chan	ged Param. 2?	,
Old Value 1		0	Nev	/ Value 1						Chang	jed Value 1?	
Old Value 2			Nev	/ Value 2						Chang	jed Value 2?	
Old Operator	r 1 >	New Opt. 1	Changed	Opt. 1?	Old	Opt. 2	1	New Opt.	2	CI	nanged Opt. 21	?
Old Condens Impact	sed	Snow		New Con-	densed					Change Conder	ed nsed Impact?	
Old Full Impa	act Any oc	currence of sno	wfall may caus	e the miss	sile to fr	eeze to	the rails	and ma	ke firing v	ery dif	ficult.	
New Full Imp	pact											
										Chang	ed Full Impact	
Old Source	(1st Ca	valry Division, 1	992);									
New Source	Delete	Rule: TM 9-1425	-472-12, Para 2	-88, Nov 1	990; Un	usual co	ondition	s makes	no menti	on of th	nis impact.	
Comments												
Change to Se	ource?	1	Are 1	There Any	(2) Optio	ns? N			Any	/ Chanc	ge to Record?	Υ
ID# 104	Subsystem	Name	TOW	2-AIR			Rule 1	# 76	Rule 2 #		Delete Rule?	? N
Old Color	2	New Color	2						J l	Cł	nanged Color?	
Parameter 1		d Param. 1 ID	icinginten	sity	New Pa	aram. 1 I	D I	cing Inte	ensity	,	ged Param. 1?	_
Parameter 2		d Param. 2 ID			New Pa	aram. 2 I				1	ged Param. 2?	
Old Value 1		0	New	Value 1	·		None			Chang	ed Value 1?	Υ
Old Value 2			New	Value 2					=	_	ed Value 2?	
Old Operator	1 >	New Opt. 1	> Changed	Opt. 1? [Old (Opt. 2		lew Opt.	2	Ch	nanged Opt. 2?	, 🗀
Old Condens Impact	sed	Icing Alo	it	New Cond	densed		lcing	Aloft		 Change Conder	ed nsed Impact?	N
Old Full Impa	act Any oc	currence of icin	g may cause th	e missile	to freeze	to the	rails and	i make 1	iring very	difficul	t.	
New Full Imp		the TOW in icing evel is between (ecause t	he warh	ead ma	y detonate	near t	he aircraft if	
Old Source	(1st Ca	valry Division, 1	992):	· · · · · · · · · · · · · · · · · · ·						Chang	ed Full Impact	Υ
				407:								
New Source	TM 55-	1520-236-10, Pai	a 8-51, 8-81, A	ıg 1994								
Comments												
Change to Se	ource?	7	Are 1	here Any	(2) Optio	ns? N			Anv	Chanc	e to Record?	Υ

		IWE	DA Sul	osystem	Rule	S			
ID # 105 Sub	system Name	TOW2	-GRND		Rul	le 1 # 4	Rule 2#	Delete Rule?	N
Old Color	1 New Color	1						Changed Color?	N
Parameter 1 #	16 Old Param. 1 ID	slope		New Param	. 1 ID	Slop	е	Changed Param. 1?	N
Parameter 2 #	Old Param. 2 ID			New Param	. 2 ID			Changed Param. 2?	
Old Value 1	7	New	Value 1		7 degr	rees		Changed Value 1?	N
Old Value 2		New	Value 2					Changed Value 2?	
Old Operator 1	>= New Opt. 1	>= Changed	Opt. 1? [Old Opt.	2	New Opt	. 2	Changed Opt. 2?	
Old Condensed Impact	Slope	9	New Cond Impact	densed		Slope		Changed Condensed Impact?	N
Old Full Impact	Slope >= 7 degrees d	legrades siting a	сигасу.						
New Full Impact	When firing from a v	ehicle, slope >= 7	degrees o	degrades sit	ing accu	uracy			
Old Source	(1st Cavalry Division	4002).						Changed Full Impact	Υ
Old Source	(1st Cavally Division	, 1992),							
New Source	FM 23-1, Para 1-5, Ma	ar 1996							
Comments									
Change to Source	ce? Y	Are	There Any ((2) Options?	N		An	y Change to Record?	Y
ID # 106 Sub	system Name	TOW2	-GRND		Rul	ie 1 # 5	Rule 2#	Delete Rule?	N
Old Color	2 New Color	2						Changed Color?	N
Parameter 1 #	16 Old Param. 1 ID	slope		New Param	ı. 1 ID	Slop	oe .	Changed Param. 1?	N
Parameter 2 #	Old Param. 2 ID			New Param	1. 2 ID			Changed Param. 2?	
Old Value 1	10	Nev	/ Value 1		10 deg	rees		Changed Value 1?	N
Old Value 2			/ Value 2					Changed Value 2?	
Old Operator 1	>= New Opt. 1	>= Changed		Old Opt.	2	New Opt	. 2	Changed Opt. 2?	
Old Condensed Impact	Slop	e	New Cond Impact	densed		Slope		Changed Condensed Impact?	N
Old Full Impact	Slope >= 10 degrees	exceeds the ope	rational lin	nits.					
New Full Impact	When firing from a v	ehicle, slope >= 1	0 degrees	exceeds th	eoperati	ional limits	,		
Old C	(4-t-0	4000						Changed Full Impact	Y
Old Source	(1st Cavalry Division	, 1992);							
New Source	FM 23-1, Para 1-5, M	ar 1996							
Comments									
Change to Sour	ce? Y	Are `	There Any	(2) Options?	N		An	y Change to Record?	Y

		IVVE	DA Su	bsyste	m Ru	les				
ID # 107 Su	bsystem Name	TOW	2-GRND			Rule 1 # 18	Rule 2#	•	Delete Rule	? N
Old Color	2 New Color	2						Ch	nanged Color?	? N
Parameter 1 #	22 Old Param. 1 ID	temperat	ure	New Par	ram. 1 ID	Tempo	erature	Chang	ged Param. 1	? N
Parameter 2 #	Old Param. 2 ID			New Par	ram. 2 ID			Chang	ged Param. 2	?
Old Value 1	140	Ne	w Value 1		14	40 F		Chang	ed Value 1?	N
Old Value 2		Ne	w Value 2					Change	ed Value 2?	
Old Operator 1	>= New Opt. 1 >	- Change	d Opt. 1?	N Old O	pt. 2	New Op	ot. 2	Ch	anged Opt. 2	?
Old Condensed Impact	Hot		New Con- Impact	densed		Extreme Hea	ıt	Change Conden	ed sed Impact?	Υ
Old Full Impact	Temperatures >= 140 F	exceed the m	aximum op	perating r	ange.					
New Full Impact	Temperatures >= 140 F	exceed the m	aximum op	perating r	ange.				-	
								Change	ed Full Impac	t N
Old Source	(1st Cavalry Division, 1	992);								
New Source	TM 9-1425-472-12, Para	2-76, Jan 198	0							
Comments							,			
Change to Source	ce? Y	Are	There Any	(2) Option:	s? N		An	v Change	e to Record?	Y
ID # 108 Sub	psystem Name	TOW	-GRND		F	Rule 1 # 27	Rule 2#		Delete Rule	? N
Old Color	1 New Color	1							anged Color?	
Parameter 1 #	18 Old Param. 1 ID	snowdep	oth	New Par	am. 1 ID	Snow	Depth	_	jed Param. 1?	
Parameter 2 #	Old Param. 2 ID			New Par	L		•		ed Param. 2?	
Old Value 1	45	Nev	v Value 1	·	45	in.		Change	ed Value 1?	N
Old Value 2		Nev	v Value 2					Change	ed Value 2?	
Old Operator 1	>= New Opt. 1 >=	= Changed	Opt. 1?	V Old Op	ot. 2	New Op	t. 2	Cha	anged Opt. 21	? 🗔
Old Condensed Impact	Snow Cove	r	New Cond	densed		Deep Snow		Change Condens	d sed Impact?	Y
Old Full Impact	Total snow depth >= 45	inches degrad	des effectiv	veness by	making	system sitir	g difficult.		· · · · · · · · · · · · · · · · · · ·	
New Full Impact	Total snow depth >= 45	inches degrad	des effectiv	eness by	making	system sitir	ng difficult.			
Old Source	(1st Cavalry Division, 19	192);						Change	ed Full Impact	N
New Source	TM 9-1425-472-12, Para	2-88, Nov 1990	0				,			
Comments										
Change to Source	ce? Y	Are	There Any (2) Options	? N		An	y Change	e to Record?	Y

ID# 109 Sub	system	Name		TOW2	-GRND			Rule 1 # 59	Rule 2#	Delete Rule?	Y
Old Color	1	New Color								Changed Color?	\Box
Parameter 1 #	17 0	ld Param. 1 ID		snow		New Pa	aram. 1 ID)		Changed Param. 1?	H
Parameter 2 #	o	ld Param. 2 ID				New Pa	aram. 2 ID			Changed Param. 2?	Ħ
Old Value 1		1		New	/ Value 1					Changed Value 1?	Ħ
Old Value 2				New	/ Value 2				==	Changed Value 2?	$\overline{\Box}$
Old Operator 1	>	New Opt. 1		Changed	Opt. 1?	Old	Opt. 2	New Opt	2	Changed Opt. 2?	
Old Condensed Impact		Snov	N		New Con Impact	densed				Changed Condensed Impact?	
Old Full Impact	Snow	> light intensit	y pro	duces accu	mulatons	which d	egrade op	perational effe	ctiveness	•	
New Full Impact											
								-			
										Changed Full Impact	
Old Source	(1st Ca	avalry Division	1, 1992	2);							
New Source	Delete	Rule: TM 9-14	25-47	2-12, Para 2	-88, Nov 1	1990; Un	usual cor	nditions makes	no ment	ion of this impact.	
Comments											
	L							1			
Change to Sour	ce?	Υ		Are 7	There Any	(2) Optio	ns? N		Ar	y Change to Record?	Y
										20.0	
									-		_
		Name		TRACKED	PLATFOR	RM		Rule 1 # 7	Rule 2 #		
Old Color	1	New Color		1		٦ ـ				Changed Color?	N
Parameter 1 #		ld Param. 1 ID		temperatu	ıre	-	aram, 1 ID		ature	Changed Param. 1?	
Parameter 2 #	0	ld Param. 2 ID		Non	. Value 4	New Pa	aram. 2 ID			Changed Param. 2?	
Old Value 1		-25			Value 1		-	25 F		Changed Value 1?	N
Old Canada 4		Now Oat 4			Value 2	N Old	Opt. 2	Now Oat	2	Changed Value 2?	H
Old Operator 1	<=	New Opt. 1		Changed	,		Opt. 2	New Opt		Changed Opt. 2?	
Old Condensed Impact		Cole	3		New Con Impact	idensed		Extreme Cold		Changed Condensed Impact?	Y
Old Full Impact	Temp	eratures <= -25	F rec	uire the ins	tallation o	of a winte	erization	kit.			
New Full Impac	Temp	eratures <= - 2	5 F re	quire the in:	stallation	of a wint	erization	kit.			
										Changed Full Impact	N
Old Source	(1st C	avalry Divisior	1, 1992	2);							
New Source	TM 9-2	2350-264-10-1,	Page	1-16, Mar 1	997						
Comments											
Change to Sour	ce?	Υ		Are ·	There Any	(2) Optio	ons? N		Aı	ny Change to Record?	Y

		IWEDA Su	bsystem Ru	iles	
ID # 111 Sut	osystem Name	TRACKED PLATFOR	M	Rule 1 # 27 Ru	le 2 # Delete Rule? N
Old Color	2 New Color	2			Changed Color? N
Parameter 1 #	18 Old Param. 1 ID	snowdepth	New Param. 1 ID	Snow Depth	Changed Param. 1? N
Parameter 2 #	Old Param. 2 ID		New Param. 2 ID		Changed Param. 2?
Old Value 1	45	New Value 1	4	5 in.	Changed Value 1? N
Old Value 2		New Value 2			Changed Value 2?
Old Operator 1	>= New Opt. 1 >=	Changed Opt. 1?	N Old Opt. 2	New Opt. 2	Changed Opt. 2?
Old Condensed Impact	Snow Cover	New Con Impact	densed	Deep Snow	Changed Condensed Impact?
Old Full Impact	Total snow depth >= 45 in	ches makes mobility	of the system ver	y difficult.	
New Full Impact	Total snow depth >= 45 in	ches makes mobility	of the system ver	y difficult.	
	L	-			Changed Full Impact N
Old Source	(1st Cavalry Division, 199	2);			
New Source	TM 9-2350-264-10-1, Page	1-16, Mar 1997			
		to the			
Comments					
Change to Source	ce? Y	Are There Any	(2) Options? N	******	Any Change to Record? Y
ID # 112 Sub	psystem Name	TRACKED PLATFOR	M 1	Rule 1 # 31 Ru	le 2 # Delete Rule? N
Old Color	1 New Color	1			Changed Color? N
Parameter 1 #	18 Old Param. 1 ID	snowdepth	New Param. 1 ID	Snow Depth	Changed Param. 1? N
Parameter 2 #	Old Param. 2 ID		New Param. 2 ID		Changed Param. 2?
Old Value 1	30	New Value 1	3	0 in.	Changed Value 1? N
Old Value 2		New Value 2			Changed Value 2?
Old Operator 1	>= New Opt. 1 >=	Changed Opt. 1?	N Old Opt. 2	New Opt. 2	Changed Opt. 2?
Old Condensed Impact	Snow Cover	New Condimpact	densed	Deep Snow	Changed Condensed Impact?
Old Full Impact	Total snow depth >= 30 in	ches makes mobility	of the system diffi	icult.	
New Full Impact	Total snow depth >= 30 in	ches makes mobility (of the system diffi	icult.	
					Changed Full Impact N
Old Source	(1st Cavalry Division, 1993	2);			
New Source	FM 31-71, Para 1-12a(2), J	un 1971			
Comments			-		

Are There Any (2) Options?

Y

Change to Source?

Any Change to Record?

Y

IWEDA Subsystem Rules ID# 113 Subsystem Name TRACKED PLATFORM 41 Rule 2# Rule 1# Delete Rule? Old Color **New Color** Changed Color? Parameter 1 # 26 Old Param. 1 ID visibility New Param. 1 ID Changed Param. 1? Parameter 2 # Old Param. 2 ID New Param, 2 ID Changed Param. 2? Old Value 1 3000 New Value 1 Changed Value 1? New Value 2 Old Value 2 Changed Value 2? Old Operator 1 New Opt, 1 Changed Opt. 1? Old Opt. 2 New Opt. 2 Changed Opt. 2? Old Condensed Reduced Visibility **New Condensed** Condensed Impact? Impact Impact Old Full Impact Visibility <= 1.8 miles (3000 m) reduces the operating speed. New Full Impact Changed Full Impact Old Source (1st Cavalry Division, 1992); Delete Rule: Personal interview with CSM Donald Schwab HHC1-52 Armored Battalion, North Carolina Army **New Source** National Guard, Ft. Bragg, NC. 12 Nov 1997. Not significant . Comments Υ N Y Change to Source? Are There Any (2) Options? Any Change to Record? ID# 114 Subsystem Name TRACKED PLATFORM Rule 1# 42 Rule 2# Delete Rule? N Old Color **New Color** Changed Color? N visibility New Param. 1 ID Visibility Changed Param. 1? Parameter 1 # 26 Old Param. 1 ID Parameter 2 # Old Param. 2 ID New Param. 2 ID Changed Param. 2? Old Value 1 2000 New Value 1 2000 meters Changed Value 1? Old Value 2 New Value 2 Changed Value 2? New Opt. 1 Old Operator 1 Changed Opt. 1? N Old Opt. 2 New Opt. 2 Changed Opt. 2? Reduced Visibility Reduced Visibility **Old Condensed New Condensed** Changed Condensed Impact? Impact **Impact** Old Full Impact Visibility <= 1.2 miles (2000 m) greatly reduces the operating speed. New Full Impact Visibility <= 1.2 miles (2000 m) greatly reduces the operating speed. Changed Full Impact N Old Source (1st Cavalry Division, 1992); Personal interview with CSM Donald Schwab HHC1-52 Armored Battalion, North Carolina Army National Guard, **New Source** Ft. Bragg, NC. 12 Nov 1997.

N

Are There Any (2) Options?

Y

Comments

Change to Source?

Any Change to Record?

		IWEDA	Subsys	tem Rui	es			
ID# 115 Sul	bsystem Name	TRACKED PLA	TFORM	R	ule 1 # 52	Rule 2#	Delete Rui	e? N
Old Color	1 New Color	1					Changed Color	? N
Parameter 1 #	14 Old Param. 1 ID	rain	New F	Param. 1 ID	Rain		Changed Param. 1	? N
Parameter 2 #	Old Param. 2 ID		New F	Param. 2 ID			Changed Param. 2	2?
Old Value 1	1	New Val	ue 1	Lig	jht		Changed Value 1?	Υ
Old Value 2		New Val	ue 2				Changed Value 2?	
Old Operator 1	> New Opt. 1 >	Changed Opt.	. 1? N Old	Opt. 2	New Opt. 2	2	Changed Opt. 2	2?
Old Condensed Impact	Precipitation		w Condensed pact		Rain		Changed Condensed Impact?	Υ
Old Full Impact	Rain > light intensity mak	es trafficability o	of the system	difficult.				
New Full Impact	Rain > light intensity mak	es trafficability o	of the system	difficult.				
	,							
							Changed Full Impac	ct N
Old Source	(1st Cavalry Division, 199	2);						
New Source	Personal interview with C Ft. Bragg, NC. 12 Nov 199		vab HHC1-52	Armored Ba	attalion, North	Carolina	Army National Gu	ard,
	1 t. Dragg, No. 12 Nov 133							
Comments								
							Ol 1- D16	
Change to Sour	ce? Y	Are There	Any (2) Option	ons? N		Any	/ Change to Record?	Y
ID # 116 Sub	osystem Name	TRACKED PLA	TEODM	Pı	ule 1 # 54	Rule 2#	Delete Ruis	2 N
Old Color	2 New Color	2	TI OKI		JIC 1 # 04	Nuic 2 m	Changed Color	-
Parameter 1 #	14 Old Param, 1 ID	rain	New F	aram. 1 ID	Rain		Changed Param. 1	
Parameter 2 #	Old Param. 2 ID			aram. 2 ID	- Call		Changed Param. 2	
Old Value 1	2	New Valu		Mode	erate		Changed Value 1?	Y
Old Value 2		New Valu					Changed Value 2?	
Old Operator 1	> New Opt. 1 >	Changed Opt.	1? N Old	Opt. 2	New Opt. 2	2	Changed Opt. 2	27
Old Condensed	Precipitation		v Condensed		Heavy Rain		Changed	Υ
Impact		Imp	act				Condensed Impact?	
Old Full Impact	Rain > moderate intensity	makes trafficabi	ility of the sy	stem very di	ifficult.			
New Full Impact	Rain > moderate intensity	makes trafficabi	ility of the sy	stem very di	ifficult.			
							Changed Full Impac	et N
Old Source	(1st Cavalry Division, 199	2);						
New Source	Personal interview with C Ft. Bragg, NC. 12 Nov 199		vab HHC1-52	Armored Ba	ttalion, North	Carolina	Army National Gua	ard,
	1 t. Diagg, 140. 12 140V 193	•						
Comments								
Change to Source	ce? Y	Are There	Any (2) Option	ons? N		Δρ.	Change to Record?	Y
Change to Sould	··· I	VIG HIGH	rany (z) Optil			~11y	Change to Necold!	'

15 " 45 0										
ID# 117 Sul	osystem Name	TRQ-32V	Ru	le 1 # 89 Rule	2# Delete Rule? Y					
Old Color	1 New Color				Changed Color?					
Parameter 1 #	15 Old Param. 1 ID	relativehumidity	New Param. 1 ID		Changed Param. 1?					
Parameter 2 #	Old Param. 2 ID		New Param. 2 ID		Changed Param. 2?					
Old Value 1	65	New Value 1			Changed Value 1?					
Old Value 2		New Value 2			Changed Value 2?					
Old Operator 1	>= New Opt. 1	Changed Opt. 1?	Old Opt. 2	New Opt. 2	Changed Opt. 2?					
Old Condensed Impact	Relative Hun	nidity New Con Impact	densed		Changed Condensed Impact?					
Old Full Impact	Humidity >= 65% decre	eases system effectivene	ss.							
New Full Impac	t			·						
Old Source	(1st Cavalry Division,	1992);			Changed Full Impact					
New Source	Delete Rule: No refere	nce or record of system i	n DAPAM 25-30, Arn	ny Index of Public	cations and Forms, Oct 1997.					
Comments										
Change to Sour	ce? Y	Are There Any	(2) Options? N		Any Change to Record? Y					
	bsystem Name	TRQ-32V ANTENNA	A Ru	lle 1 # 32 Rule						
Old Color	2 New Color			lle 1 # 32 Rule	Changed Color?					
Old Color Parameter 1 #	New Color Old Param. 1 ID	TRQ-32V ANTENNA	New Param. 1 ID	ile 1 # 32 Rule	Changed Color? Changed Param. 1?					
Old Color Parameter 1 # Parameter 2 #	2 New Color 23 Old Param. 1 ID Old Param. 2 ID	thunderstorm	New Param. 1 ID New Param. 2 ID		Changed Color? Changed Param. 1? Changed Param. 2?					
Old Color Parameter 1 # Parameter 2 # Old Value 1	New Color Old Param. 1 ID	thunderstorm New Value 1	New Param. 1 ID		Changed Color? Changed Param. 1? Changed Param. 2? Changed Value 1?					
Old Color Parameter 1 # Parameter 2 # Old Value 1 Old Value 2	New Color New Color Old Param. 1 ID Old Param. 2 ID	thunderstorm New Value 1 New Value 2	New Param. 1 ID New Param. 2 ID Ye	s]	Changed Color? Changed Param. 1? Changed Param. 2? Changed Value 1? Changed Value 2?					
Old Color Parameter 1 # Parameter 2 # Old Value 1 Old Value 2 Old Operator 1	2 New Color [23 Old Param. 1 ID Old Param. 2 ID 1 New Opt. 1	thunderstorm New Value 1 New Value 2 Changed Opt. 1?	New Param. 1 ID New Param. 2 ID Ye Old Opt. 2		Changed Color? Changed Param. 1? Changed Param. 2? Changed Value 1? Changed Value 2? Changed Opt. 2?					
Old Color Parameter 1 # Parameter 2 # Old Value 1 Old Value 2	2 New Color [23 Old Param. 1 ID Old Param. 2 ID 1 New Opt. 1	thunderstorm New Value 1 New Value 2 Changed Opt. 1?	New Param. 1 ID New Param. 2 ID Ye Old Opt. 2	s]	Changed Color? Changed Param. 1? Changed Param. 2? Changed Value 1? Changed Value 2?					
Old Color Parameter 1 # Parameter 2 # Old Value 1 Old Value 2 Old Operator 1 Old Condensed Impact	2 New Color 23 Old Param. 1 ID Old Param. 2 ID 1 New Opt. 1 Thunderste	thunderstorm New Value 1 New Value 2 Changed Opt. 1? The communication of the control of the c	New Param. 1 ID New Param. 2 ID Ye Old Opt. 2 densed	S New Opt. 2	Changed Color? Changed Param. 1? Changed Param. 2? Changed Value 1? Changed Value 2? Changed Opt. 2? Changed Condensed Impact?					
Old Color Parameter 1 # Parameter 2 # Old Value 1 Old Value 2 Old Operator 1 Old Condensed Impact	2 New Color 23 Old Param. 1 ID Old Param. 2 ID 1 New Opt. 1 Thunderste Any occurrence of thu antenna must be stow	thunderstorm New Value 1 New Value 2 Changed Opt. 1? The communication of the control of the c	New Param. 1 ID New Param. 2 ID Ye Old Opt. 2 densed	S New Opt. 2	Changed Color? Changed Param. 1? Changed Param. 2? Changed Value 1? Changed Value 2? Changed Opt. 2? Changed Condensed Impact?					
Old Color Parameter 1 # Parameter 2 # Old Value 1 Old Value 2 Old Operator 1 Old Condensed Impact Old Full Impact	2 New Color 23 Old Param. 1 ID Old Param. 2 ID 1 New Opt. 1 Thunderste Any occurrence of thu antenna must be stow	thunderstorm New Value 1 New Value 2 Changed Opt. 1? The communication of the control of the c	New Param. 1 ID New Param. 2 ID Ye Old Opt. 2 densed	S New Opt. 2	Changed Color? Changed Param. 1? Changed Param. 2? Changed Value 1? Changed Value 2? Changed Opt. 2? Changed Condensed Impact?					
Old Color Parameter 1 # Parameter 2 # Old Value 1 Old Value 2 Old Operator 1 Old Condensed Impact Old Full Impact New Full Impact	2 New Color 23 Old Param. 1 ID Old Param. 2 ID 1 = New Opt. 1 Thunderste Any occurrence of thu antenna must be stow t	thunderstorm New Value 1 New Value 2 Changed Opt. 1? The print of t	New Param. 1 ID New Param. 2 ID Ye Old Opt. 2 densed	S New Opt. 2	Changed Color? Changed Param. 1? Changed Param. 2? Changed Value 1? Changed Value 2? Changed Opt. 2? Changed Condensed Impact?					
Old Color Parameter 1 # Parameter 2 # Old Value 1 Old Value 2 Old Operator 1 Old Condensed Impact Old Full Impact	2 New Color 23 Old Param. 1 ID Old Param. 2 ID 1 New Opt. 1 Thunderste Any occurrence of thu antenna must be stow	thunderstorm New Value 1 New Value 2 Changed Opt. 1? The print of t	New Param. 1 ID New Param. 2 ID Ye Old Opt. 2 densed	S New Opt. 2	Changed Color? Changed Param. 1? Changed Param. 2? Changed Value 1? Changed Value 2? Changed Opt. 2? Changed Condensed Impact? Int and operators. The					
Old Color Parameter 1 # Parameter 2 # Old Value 1 Old Value 2 Old Operator 1 Old Condensed Impact Old Full Impact New Full Impact	2 New Color 23 Old Param. 1 ID Old Param. 2 ID 1 = New Opt. 1 Thunderste Any occurrence of thu antenna must be stow t (1st Cavalry Division,	thunderstorm New Value 1 New Value 2 Changed Opt. 1? orm New Con Impact Inderstorms create a pote ed during a storm.	New Param. 1 ID New Param. 2 ID Ye Old Opt. 2 densed entially significant has	New Opt. 2	Changed Color? Changed Param. 1? Changed Param. 2? Changed Value 1? Changed Value 2? Changed Opt. 2? Changed Condensed Impact? Int and operators. The					
Old Color Parameter 1 # Parameter 2 # Old Value 1 Old Value 2 Old Operator 1 Old Condensed Impact Old Full Impact New Full Impact Old Source	2 New Color 23 Old Param. 1 ID Old Param. 2 ID 1 = New Opt. 1 Thunderste Any occurrence of thu antenna must be stow t (1st Cavalry Division,	thunderstorm New Value 1 New Value 2 Changed Opt. 1? orm New Con Impact Inderstorms create a pote ed during a storm.	New Param. 1 ID New Param. 2 ID Ye Old Opt. 2 densed entially significant has	New Opt. 2	Changed Color? Changed Param. 1? Changed Param. 2? Changed Value 1? Changed Value 2? Changed Opt. 2? Changed Condensed Impact? Int and operators. The Changed Full Impact					

ID # 119 Sub	osystem Name	TRQ-32V ANTENNA	\	Rule 1 # 64 R	ule 2 # Delete Rule? Y
Old Color	1 New Color				Changed Color?
Parameter 1 #	21 Old Param. 1 ID s	surfacewindspeed	New Param. 1 I	D	Changed Param. 1?
Parameter 2 #	Old Param. 2 ID		New Param. 2 I	D	Changed Param. 2?
Old Value 1	15	New Value 1			Changed Value 1?
Old Value 2		New Value 2			Changed Value 2?
Old Operator 1	> New Opt. 1	Changed Opt. 1?	Old Opt. 2	New Opt. 2	Changed Opt. 2?
Old Condensed Impact	Surface Wind	New Con Impact	densed		Changed Condensed Impact?
Old Full Impact	Surface wind speed >= 15	kts degrades the DF	performance.		
New Full Impact					
Old Source	(1st Cavalry Division, 199	2);			Changed Full Impact
New Source	Delete Ruie: No reference	or record of system i	n DAPAM 25-30,	Army Index of Pub	lications and Forms, Oct 1997.
Comments					
Change to Source	ce? Y	Are There Any	(2) Options? N	īl .	Any Change to Record? Y
onango to coun		7 7	(2) Sparie :		, onango to recona.
ID # 120 Sub	system Name	TRQ-32V ANTENNA		Rule 1 # 66 Ru	ule 2 # Delete Rule? Y
Old Color	2 New Color		,		Changed Color?
Parameter 1 #	21 Old Param. 1 ID s	urfacewindspeed	New Param. 1 I	D	Changed Param. 1?
Parameter 2 #	Old Param. 2 ID		New Param. 21	D	Changed Param. 2?
Old Value 1	25	New Value 1			Changed Value 1?
Old Value 2		New Value 2			Changed Value 2?
Old Operator 1	>= New Opt. 1	Changed Opt. 1?	Old Opt. 2	New Opt. 2	Changed Opt. 2?
Old Condensed Impact	Surface Wind	New Condimpact	densed		Changed Condensed Impact?
Old Full Impact	Surface wind speed >= 25	kts severely degrade	s the DF perform	nance.	
New Full Impact					
					Changed Full Impact
Old Source	(1st Cavalry Division, 1992	2);			
New Source	Delete Rule: No reference	or record of system in	n DAPAM 25-30,	Army Index of Pub	lications and Forms, Oct 1997.
Comments					
Change to Source	ce? Y	Are There Any	(2) Options? N		Any Change to Record?

		IWE	DA Sub	system R	ules				
ID# 121 Sub	system Name	TSQ-138	ANTENNA		Rule 1 #	32 Rul	e 2 #	Delete Rule	? N
Old Color	2 New Color	2			<u> </u>			Changed Color	N
Parameter 1 #	23 Old Param. 1 ID	thundersto	orm	New Param. 1 I	D Thun	derstorn	1	Changed Param. 1	? N
Parameter 2 #	Old Param. 2 ID			New Param. 2 I	D			Changed Param. 2	?
Old Value 1	1	New	Value 1		Yes			Changed Value 1?	Y
Old Value 2		New	Value 2					Changed Value 2?	
Old Operator 1	= New Opt. 1	= Changed	Opt. 1? N	Old Opt. 2	New	Opt. 2		Changed Opt. 2	?
Old Condensed Impact	Thunderst	orm	New Cond	ensed	Thunderst	orm		Changed Condensed Impact?	N
Old Full Impact	Any occurrence of thu antenna must be stow			itially significat	nt hazard to	equipme	nt and	d operators. The	
New Full Impact	Any occurrence of thu antenna must be stow	ınderstorms cre	ate a poten	tially significar	nt hazard to	equipme			
Old Source	(1st Cavalry Division,	1992);						Changed Full Impac	t N
New Source	TM 11-5820-773-15, Pa	ara 2-6.1, Jul 198	13						
Comments Change to Source	ce? Y	Are 1	There Any (2	2) Options? N			Any	Change to Record?	Υ
	osystem Name		ANTENNA		Rule 1 #	56 Rul	e 2 #	Delete Rule	
Old Color	2 New Color	1						Changed Color	
Parameter 1 #	10 Old Param. 1 ID	freezingra	un	New Param. 1 I	D Free:	zing Rair	1		Y
<u></u>	Old Darra 2 ID			Name Danson, O.				Changed Param. 1	Y Y N
Parameter 2 #	Old Param. 2 ID	Nov	· Value 4	New Param. 2 I	D		1	Changed Param. 2	Y Y N ?
Parameter 2 # Old Value 1	Old Param. 2 ID		Value 1	New Param. 2 I			,	Changed Param. 2 Changed Value 1?	Y Y N
Parameter 2 # Old Value 1 Old Value 2	0	New New	Value 2		None None	0-12	,	Changed Param. 2 Changed Value 1? Changed Value 2?	Y Y N Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y
Parameter 2 # Old Value 1 Old Value 2 Old Operator 1	0 > New Opt. 1	New > Changed	Value 2 Opt. 1? N	Old Opt. 2	None New	Opt. 2		Changed Param. 2 Changed Value 1? Changed Value 2? Changed Opt. 2	Y
Parameter 2 # Old Value 1 Old Value 2	0	New > Changed	Value 2	Old Opt. 2	None None	· _ L		Changed Param. 2 Changed Value 1? Changed Value 2?	Y Y N Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y
Parameter 2 # Old Value 1 Old Value 2 Old Operator 1 Old Condensed Impact	0 > New Opt. 1	New > Changed Rain ezing rain reduc	Value 2 Opt. 1? N New Cond Impact	Old Opt. 2	None New Freezing F	Rain		Changed Param. 2 Changed Value 1? Changed Value 2? Changed Opt. 2 Changed Condensed Impact?	Y Y N Y Y Y N Y N N N N N N N N N N N N
Parameter 2 # Old Value 1 Old Value 2 Old Operator 1 Old Condensed Impact Old Full Impact	New Opt. 1 Freezing F Any occurrence of fre	New Changed Rain ezing rain reducen.	Value 2 Opt. 1? N New Cond Impact es antenna	Old Opt. 2	None New Freezing F	Rain		Changed Param. 2 Changed Value 1? Changed Value 2? Changed Opt. 2 Changed Condensed Impact?	Y Y N Y Y Y N Y N N N N N N N N N N N N
Parameter 2 # Old Value 1 Old Value 2 Old Operator 1 Old Condensed Impact Old Full Impact	New Opt. 1 Freezing F Any occurrence of fre preclude mast erectio	New > Changed Rain ezing rain reduction. santenna effective	Value 2 Opt. 1? N New Cond Impact es antenna	Old Opt. 2	None New Freezing F	Rain	outpu	Changed Param. 2 Changed Value 1? Changed Value 2? Changed Opt. 2 Changed Condensed Impact?	Y Y N Y Y Y N N N N N N N N N N N N N N
Parameter 2 # Old Value 1 Old Value 2 Old Operator 1 Old Condensed Impact Old Full Impact New Full Impact	New Opt. 1 Freezing F Any occurrence of fre preclude mast erectio Freezing rain reduces	New Changed Rain ezing rain reduction. antenna effective 1992);	Value 2 Opt. 1? N New Cond Impact Les antenna	Old Opt. 2 ensed	None New Freezing F	Rain	outpu	Changed Param. 2 Changed Value 1? Changed Value 2? Changed Opt. 2 Changed Condensed Impact? at of antenna. May a	Y Y N Y Y Y N N N N N N N N N N N N N N

Are There Any (2) Options?

Y

Change to Source?

Any Change to Record?

ID # 123 Sul	bsystem Name	TSQ-138	ANTENNA			Rule 1#	69	Rule 2#	£	Delete Rule	? N
Old Color	1 New Color	1							C	- hanged Color	? N
Parameter 1 #	21 Old Param. 1 ID	surfacewind	speed	New Pa	aram. 1 ID	Surfac	e Win	d Speed	Chan	ged Param. 1	? N
Parameter 2 #	Old Param. 2 ID			New Pa	aram. 2 ID				Chan	ged Param. 2	?
Old Value 1	35	Ne	w Value 1		45	kts.			Chang	ged Value 1?	Y
Old Value 2		Ne	w Value 2						Chang	ged Value 2?	
Old Operator 1	>= New Opt. 1	>= Changed	d Opt. 1?	N Old	Opt. 2	Nev	v Opt.	2	C	hanged Opt. 2	?
Old Condensed Impact	Surface	Wind	New Con Impact	densed	Stro	ong Surf	ace Wi	nd	Change Conde	ed nsed Impact?	Y
Old Full Impact	Surface wind speed range. DF is also de					his deg	rades I	.OS and	reduce	s the intercep	ot
New Full Impact	Surface wind speed degrades DF.	>= 45 kts. preclu	des extend	ding ante	enna, deg	rades LC	S, red	uces int			
Old Source	(1st Cavalry Division	ı, 1992);							Chang	ged Full Impac	t Y
New Source	FM 34-81-1, Append	x I-5, Dec 1992									
Comments											
Change to Sour	ce? Y	Are	There Any	(2) Optio	ns? N			Ar	ny Chang	ge to Record?	Y
ID# 124 Sul	bsystem Name	TSQ-138	ANTENNA			Rule 1 #	73	Rule 2 #	:	Delete Rule	? N
Old Color	2 New Color	2							CI	hanged Color?	N
Parameter 1 #	21 Old Param. 1 ID	surfacewind	speed	New Pa	aram. 1 ID	Surfac	e Win	d Speed	Chan	ged Param. 1	? N
Parameter 2 #	Old Param. 2 ID			New Pa	aram. 2 ID				Chan	ged Param. 2	?
Old Value 1	43	Nev	w Value 1		78	kts.			Chang	ged Value 1?	Y
Old Value 2		Ne	w Value 2						Chang	ged Value 2?	
Old Operator 1	>= New Opt. 1	>= Change	i Opt. 1? [N Old	Opt. 2	Nev	v Opt.	2	CI	hanged Opt. 2	?
Old Condensed impact	Surface	Wind	New Con Impact	densed	Very S	trong S	urface	Wind	Change Conde	ed nsed Impact?	Y
Old Full Impact	Surface wind speed	>= 43 kts exceed	s the oper	ating lim	its.						
New Full Impact	Surface wind speed	>= 78 kts. exceed	ds the ope	rating lin	nits.						
									Chang	ed Full Impac	t Y
Old Source	(1st Cavalry Division	1, 1992);									
New Source	FM 34-81-1, Append	ix I-5, Dec 1992			,			· · · -			
Comments											
Change to Sour	ce? Y	Are	There Any	(2) Optio	ns? N			Ar	y Chang	ge to Record?	Y

IWEDA Subsystem Rules ID # 125 Subsystem Name **UH-60 ENGINE** Rule 1# Rule 2# 63 Delete Rule? Old Color **New Color** Changed Color? Parameter 1 # 21 Old Param. 1 ID surfacewindspeed Surface Wind Speed New Param. 1 ID Changed Param. 1? Old Param. 2 ID Parameter 2 # New Param, 2 ID Changed Param. 2? Old Value 1 30 New Value 1 Changed Value 1? Old Value 2 New Value 2 Changed Value 2? Old Operator 1 New Opt. 1 Changed Opt. 1? Old Opt. 2 New Opt. 2 Changed Opt. 2? Old Condensed Surface Wind New Condensed Changed Impact Impact Condensed Impact? Old Full Impact New Full Impact Changed Full Impact **Old Source** (1st Cavalry Division, 1992); **New Source** Delete Rule: Replaced by Ssytem Rule ID# 252 Comments Change to Source? Are There Any (2) Options? N Any Change to Record? **UH-60 ENGINE** ID# 126 Subsystem Name Rule 1 # 68 Rule 2# Delete Rule? Old Color 2 **New Color** Changed Color? Parameter 1 # 21 Old Param. 1 ID surfacewindspeed New Param. 1 ID Changed Param. 1? Parameter 2 # Old Param. 2 ID New Param. 2 ID Changed Param. 2? Old Value 1 45 New Value 1 Changed Value 1? Old Value 2 New Value 2 Changed Value 2? Changed Opt. 1? Old Operator 1 New Opt. 1 Old Opt. 2 New Opt. 2 Changed Opt. 2? Surface Wind Old Condensed **New Condensed** Changed Impact Condensed Impact? Impact Old Full Impact | Surface wind speed > 45 kts exceeds the system operating limits to start engines. New Full Impact Changed Full Impact **Old Source** (1st Cavalry Division, 1992); New Source Delete Rule: Not necessary, covered in rule SYS ID# 252

Are There Any (2) Options?

N

Υ

Comments

Change to Source?

Any Change to Record?

Y

	- 44					
ID# 127 Su	bsystem Name	VEESS - SMOKE GENER	ATOR F	Rule 1 # 6 Rule 2	# Delete Rule?	N
Old Color	1 New Color	1			Changed Color?	N
Parameter 1 #	19 Old Param. 1 ID	stability	New Param. 1 ID	Stability	Changed Param. 1?	N
Parameter 2 #	Old Param. 2 ID		New Param. 2 ID		Changed Param. 2?	
Old Value 1	4	New Value 1	St	able	Changed Value 1?	Y
Old Value 2		New Value 2			Changed Value 2?	
Old Operator 1	< New Opt. 1	< Changed Opt. 1?	N Old Opt. 2	New Opt. 2	Changed Opt. 2?	
Old Condensed Impact	Neutral Atmos	sphere New Con Impact	densed Neu	ıtral Atmosphere	Changed Condensed Impact?	N
Old Full Impact	Neutral or unstable co	nditions makes the produ	uction of smoke in	effective due to dissi	pation.	
New Full Impac	Neutral or unstable co	nditions makes the produ	uction of smoke in	effective due to dissi	pation.	
					Changed Full Impact	N
Old Source	(1st Cavalry Division,	1992);				
New Source	FM 3-50, pp. 89-91, Sep	1996				
Comments						
ID# 128 Sul	osystem Name	VEESS - SMOKE GENER	ATOR	Rule 1 # 72 Rule 2	# Delete Rule?	N
Old Color	1 New Color	1	ATOK	tuic 1# 72 Ituic 2	Changed Color?	N
Parameter 1 #	21 Old Param. 1 ID	surfacewindspeed	New Param. 1 ID	Surface Wind Spee		_
Parameter 2 #	Old Param. 2 ID	- Caricason Caricas	New Param. 2 ID		Changed Param. 2?	
Old Value 1	10	New Value 1		kts.	Changed Value 1?	N
Oid Value 2		New Value 2			Changed Value 2?	
Old Operator 1	>= New Opt. 1		N Old Opt. 2	New Opt. 2	Changed Opt. 2?	
Old Condensed Impact	Surface W			Surface Wind	Changed Condensed Impact?	N
•	Surface wind speed >=	= 10 kts reduces smoke e	ffectiveness due to	o dissipation.		
New Full Impac	Surface wind speed >=	: 10 kts reduces smoke e	ffectiveness due to	o dissipation.		
Old Source	(1st Cavalry Division,	1992);			Changed Full Impact	N
New Source	FM 3-50, Page 89-91, S	ep 1996				_
Comments						
						_
Change to Sour	ce? Y	Are There Any	(2) Options? N	,	Any Change to Record?	Υ

		IWEDA Sui	osystem R	ules	
ID # 129 Sut	osystem Name	VRC-46		Rule 1 # 19 Rule	2 # Delete Rule? Y
Old Color	1 New Color				Changed Color?
Parameter 1 #	22 Old Param. 1 ID	temperature	New Param. 1	ID	Changed Param. 1?
Parameter 2 #	Old Param. 2 ID		New Param. 2	ID	Changed Param. 2?
Old Value 1	85	New Value 1			Changed Value 1?
Old Value 2		New Value 2			Changed Value 2?
Old Operator 1	>= New Opt. 1	Changed Opt. 1?	Old Opt. 2	New Opt. 2	Changed Opt. 2?
Old Condensed Impact	Hot	New Cond Impact	densed		Changed Condensed Impact?
Old Full Impact	Temperatures >= 85 F ca	ause radios to fail due to	heat buildup.		
New Full Impac	t				
					Changed Full Impact
Old Source	(1st Cavalry Division, 19	92);			
New Source	Delete Rule: TM 11-5820 anywhere.	-401-10-2, Aug 1995. Op	erator's Manua	I makes no mention of	hot temperatures
Comments					
Change to Sour	rce? Y	Are There Any	(2) Options?	N	Any Change to Record? Y
ID # 130 Su	bsystem Name	WATER CONSUMPTION	N	Rule 1 # 19 Rule	2 # Delete Rule? N
Old Color	1 New Color	1			Changed Color? N
Parameter 1 #	22 Old Param. 1 ID	temperature	New Param. 1		Changed Param. 1? N
Parameter 2 #	Old Param. 2 ID		New Param. 2		Changed Param. 2?
Old Value 1	85	New Value 1		85 F	Changed Value 1? N
Old Value 2		New Value 2			Changed Value 2?
Old Operator 1				New Opt. 2	Changed Opt. 2?
Old Condensed Impact	Hot	New Con-	densed	Hot	Changed Condensed Impact?
Old Full Impact	Temperatures >= 85 F re	equire a soldier to incre	ase his water co	onsumption.	
New Full Impac	Temperatures >= 85 F re	equire a soldier to incre	ase his water co	onsumption.	
					Changed Full Impact N
Old Source	(1st Cavalry Division, 19	992);			
New Source	FM 21-10-1, Table 2-3, O	oct 1989			
Comments					
Change to Sou	rce? Y	Are There Any	(2) Options?	N	Any Change to Record? Y

							-		_				
ID # 131 Sub	osystem	Name		WATER CO	NSUMPT	ION		Rule	e 1 # 20	Rule 2	2#	Delete Rul	e? N
Old Color	2	New C	olor	2				_				 Changed Color	? N
Parameter 1 #	22 0	id Param. 1	םו ו	temperati	ure	New P	aram. 1	ID	Tempera	ture	Cha	inged Param. 1	? N
Parameter 2 #	<u> </u>	ld Param. 2	2 ID			New P	aram. 2	ID 🗀				anged Param. 2	
Old Value 1		95		Nev	v Value 1			95 F				nged Value 1?	N
Old Value 2				Nev	v Value 2							nged Value 2?	
Old Operator 1	>=	New Opt.	1 >=	Changed	Opt. 1?	N Old	Opt. 2		New Opt.	2		Changed Opt. 2	2?
Old Condensed			Hot		New Cor	ndensed			Hot		Chan	ged ensed Impact?	N
Old Full Impact		ratures >= nust be re			er to grea	tly increa	se his	water	consumptio	n. Lar	ge quan	tities of potab	le
New Full Impact		ratures >= nust be re			er to grea	tly increa	se his	water	consumptio	n. Lar	ge quan	tities of potab	le
Old Source	(1st Ca	valry Divis	sion, 199	2);							Char	nged Full Impa	ct N
New Source	FM 21-	10-1, Table	e 2-3, Oct	1989									
Comments													
Change to Source	ce?	Y		Are 7	There Any	(2) Optio	ns?	N			Any Cha	nge to Record?	Y
ID# 132 Sub	system	Name		WHEELED	PLATFO	RM		Rule	e 1 # 29	Rule 2	:#	Delete Rule	e? N
Old Color	1	New Co	olor	1				_			(Changed Color	? N
Parameter 1 #	18 OI	d Param. 1	ID	snowdep	th	New Pa	aram. 1	ID	Total Snow	Depth	Cha	nged Param. 1	? Y
Parameter 2 #	OI	d Param. 2	! ID			New Pa	aram. 2	ID 🗍			Cha	nged Param. 2	?
Old Value 1		6	<u></u>	New	/ Value 1			6 in.			Char	nged Value 1?	N
Old Value 2				New	Value 2						Char	nged Value 2?	
Old Operator 1	>=	New Opt.	1 >	Changed	Opt. 1?	Y Old	Opt. 2		New Opt. 2	2		Changed Opt. 2	??
Old Condensed		Snov	w Cover		New Cor Impact	ndensed	М	odera	te Snow Co	ver	Chan	ged ensed Impact?	Y
Old Full Impact	Total s	now depth	>= 6 inc	hes makes t	the mobil	ity of the	systen	n diffic	cult.				
New Full Impact	Total s	now depth	> 6 inch	es reduces	the mobil	ity of the	syster	n and	increases d	riving	time.		
Old Source	(1st Ca	valry Divis	sion, 199	2);							Char	nged Full Impac	t Y
New Source	FM 34-	130, Figure	e B-20, J	uly 1994									
Comments													
Change to Source	ce?	7		Are 7	here Any	(2) Optio	ns?	N	** *	/	Any Chai	nge to Record?	Y

ID # 133 Sub																				
	system	Name	V	VHEELED	PLATFOR	RM		Rule 1 # 30	Rule 2#	D	elete Rule?	N								
Old Color	2	New Color		2						Chan	ged Color?	N								
Parameter 1 #	18 Ok	d Param. 1 ID		snowdep	th	New Pa	ram. 1 ID	Total Snov	v Depth	Changed	Param. 1?	Y								
Parameter 2 #	Ok	d Param. 2 ID				New Pa	ram. 2 ID			Changed	Param. 2?									
Old Value 1		20		New	Value 1		1	8 in.		Changed	Value 1?	Y								
Old Value 2				New	Value 2					Changed '	Value 2?									
Old Operator 1	>=	New Opt. 1	>=	Changed	Opt. 1?	N Old	Opt. 2	New Opt.	2	Chan	ged Opt. 2?									
Old Condensed Impact		Snow 0	over		New Con Impact	densed		Deep Snow		Changed Condensed	d Impact?	Y								
Old Full Impact	Total si	now depth >=	= 20 inch	nes makes	the mobi	lity of th	e system	very difficult a	ind excee	ds the ope	rating limit	s.								
New Full Impact	Total si time.	now depth >=	= 18 inch	nes makes	mobility	of the sy	stem very	difficult and	significar	ntly increas	ses driving									
Old Source	(1st Ca	valry Division	n, 1992);	;						Changed	Full Impact	Y								
New Source	FM 34-1	I30, Figure B	-20, July	y 1994							•									
Comments																				
Change to Source	ce? Y	<u>'</u>		Are 7	here Any	(2) Optio	ns? N		Ar	y Change t	o Record?	Y								
					•	, ,						L								
ID # 134 Sub	nsvstem	Name	V																	
	-		ID # 134 Subsystem Name WHEELED PLATFORM Rule 1 # 52 Rule 2 # Delete Rule? N									N								
Parameter 1 #																				
Parameter 2 #	14 0		r		PLATFO		aram. 1 ID		J	Chan	ged Color?	N Y N								
		d Param. 1 ID	r	1	PLATFO	New P		Rai	J	Chan		Y								
Old Value 1			r	1 rain	PLATFOR	New P	aram. 1 ID aram. 2 ID	Rai	J	Chan	ged Color? d Param. 1? d Param. 2?	Y								
		d Param. 1 ID	r	rain New		New P	aram. 1 ID aram. 2 ID	Rai	J	Changed Changed	ged Color? I Param. 1? I Param. 2? Value 1?	Y								
Old Value 1	01	d Param. 1 ID	r	rain New New	/ Value 1	New P	aram. 1 ID aram. 2 ID	Rai		Changed Changed Changed Changed	ged Color? I Param. 1? I Param. 2? Value 1?	Y N Y								
Old Value 1 Old Value 2 Old Operator 1 Old Condensed) Ol	d Param. 1 ID d Param. 2 ID))	rain New New	/ Value 1	New P	aram. 1 ID aram. 2 ID L	Rai		Changed Changed Changed Changed	ged Color? d Param. 1? d Param. 2? Value 1? Value 2? lged Opt. 2?	Y N Y								
Old Value 1 Old Value 2 Old Operator 1) Ol	d Param. 1 ID d Param. 2 ID 1 New Opt. 1 [tation	rain New New Changed	/ Value 1 / Value 2 Opt. 1? [New Cor	New Parkets New Pa	aram. 1 ID aram. 2 ID L	Rain light		Changed Changed Changed Changed Changed Changed Chan	ged Color? d Param. 1? d Param. 2? Value 1? Value 2? lged Opt. 2?	Y								
Old Value 1 Old Value 2 Old Operator 1 Old Condensed Impact	Olimonia oli	d Param. 1 ID d Param. 2 ID 1 New Opt. 1 [Precipi	> tation	rain New New Changed	/ Value 1 / Value 2 Opt. 1? [New Cor Impact of the sys	New Parents New Pa	aram. 1 ID aram. 2 ID L Opt. 2	Rain	2	Changed Changed Changed Changed Changed Changed Changed Changed	ged Color? d Param. 1? d Param. 2? Value 1? Value 2? ged Opt. 2? d Impact?	Y								
Old Value 1 Old Value 2 Old Operator 1 Old Condensed Impact Old Full Impact	Olimonia oli	d Param. 1 ID d Param. 2 ID 1 New Opt. 1 [Precipi light intensit	> tation	rain New New Changed	/ Value 1 / Value 2 Opt. 1? [New Cor Impact of the sys	New Parents New Pa	aram. 1 ID aram. 2 ID L Opt. 2	Rain	2	Changed Changed Changed Changed Changed Changed Changed	ged Color? d Param. 1? d Param. 2? Value 1? Value 2? ged Opt. 2? d Impact?	Y								
Old Value 1 Old Value 2 Old Operator 1 Old Condensed Impact Old Full Impact	Olimonia National Nat	d Param. 1 ID d Param. 2 ID 1 New Opt. 1 [Precipi light intensit	> tation by makes ty makes me.	rain New New Changed s mobility	/ Value 1 / Value 2 Opt. 1? [New Cor Impact of the sys	New Parents New Pa	aram. 1 ID aram. 2 ID L Opt. 2	Rain	2	Changed Changed Changed Changed Changed Changed Changed	ged Color? d Param. 1? d Param. 2? Value 1? Value 2? ged Opt. 2? d Impact?	Y								
Old Value 1 Old Value 2 Old Operator 1 Old Condensed Impact Old Full Impact New Full Impact	Pain > Rain > Increas	d Param. 1 ID d Param. 2 ID 1 New Opt. 1 [Precipi light intensit	tation y makes me.	rain New New Changed s mobility	/ Value 1 / Value 2 Opt. 1? [New Cor Impact of the sys	New Parents New Pa	aram. 1 ID aram. 2 ID L Opt. 2	Rain	2	Changed Changed Changed Changed Changed Changed Changed	ged Color? d Param. 1? d Param. 2? Value 1? Value 2? ged Opt. 2? d Impact?	Y								
Old Value 1 Old Value 2 Old Operator 1 Old Condensed Impact Old Full Impact New Full Impact Old Source	Pain > Rain > Increas	d Param. 1 ID d Param. 2 ID 1 New Opt. 1 [Precipi light intensit light intensit ses driving ti valry Divisio	tation y makes me.	rain New New Changed s mobility	/ Value 1 / Value 2 Opt. 1? [New Cor Impact of the sys	New Parents New Pa	aram. 1 ID aram. 2 ID L Opt. 2	Rain	2	Changed Changed Changed Changed Changed Changed Changed	ged Color? d Param. 1? d Param. 2? Value 1? Value 2? ged Opt. 2? d Impact?	Y								

		IWE	DA Sub	syste	m Rul	es					
ID# 135 Sul	bsystem Name	WHEELED	PLATFORM	Λ	R	tule 1 #	55 Ru	le 2 #		Delete Rule	? N
Old Color	2 New Color	2							С	hanged Color	? N
Parameter 1 #	10 Old Param. 1 ID	freezingr	ain	New Par	am. 1 ID	Free	zing Rai	n	Char	nged Param. 1	? N
Parameter 2 #	Old Param. 2 ID			New Par	am. 2 ID				Char	nged Param. 2	?
Old Value 1	1	Nev	v Value 1		Lig	ght			Chan	ged Value 1?	Y
Old Value 2		Nev	v Value 2			-]	Chan	ged Value 2?	
Old Operator 1	> New Opt. 1	> Changed	Opt. 1? N	Old O	pt. 2	New	Opt. 2		С	hanged Opt. 2	?
Old Condensed Impact	Freezing	Rain	New Condo	ensed	F	reezing F	lain		Chang Conde	ed nsed Impact?	N
Old Full Impact	Freezing rain > light i	ntensity may sig	inificantly d	legrades	mobility	and spee	d.				
New Full Impact	Freezing Rain > light	intensity will sig	inificantly d	egrade r	nobility a	ınd signif	icantly i	ncreas	e driv	ing time.	
									Chang	ged Full Impac	t Y
Old Source	(1st Cavalry Division,	1992);									
New Source	TM 9-2320-280-10, Pa	ra 2-22, Oct 1986	5								
Comments											
Change to Sour	ce? Y	Are ⁻	There Any (2) Options	s? N			Any	Chan	ge to Record?	Υ
ID # 136 Sub	osystem Name	WHEELED	PLATFORM	1	R	ule 1 #	56 Ru	le 2 #	-	Delete Rule	? N
Old Color	1 New Color	1							С	_ hanged Color1	N
Parameter 1 #	10 Old Param. 1 ID	freezingra	ain	New Para	am. 1 ID	Freez	ing Rai	n	Chan	ged Param. 1	? N
Parameter 2 #	Old Param. 2 ID			New Para	am. 2 ID				Chan	ged Param. 2	? 🗀
Old Value 1	0	Nev	Value 1		No	ne			Chang	ged Value 1?	Y
Old Value 2		Nev	v Value 2					าี	Chang	ged Value 2?	
Old Operator 1	> New Opt. 1	> Changed	Opt. 1? N	Old Op	ot. 2	New (Opt. 2		С	hanged Opt. 2	?
Old Condensed Impact	Freezing		New Conde	_		reezing R	ain		 Change Conde	ed nsed Impact?	N
Old Full Impact	Any occurrence of fre	ezing rain degra	des mobilit	y and sp	eed.						
New Full Impact	Any occurrence of fre	ezing rain degra	ides mobilit	y and sp	eed and	increases	driving	j time.			
Old Source	(1st Cavalry Division,	1992);							Chang	ged Full Impac	t Y
New Source	TM 9-2320-280-10, Pa	ra 2-22, Oct 1986	•				,				
Comments											
Change to Sour	202 [V]	Aro.	There Any (2	Ontions	2 N			Anu	Chan	re to Pecord?	v

ID # 137 Sub	system Name	WHEELED PLATFOR	M R	ule 1 # 59 Rule	2# Delete Rule? N
Old Color	2 New Color	1			Changed Color? Y
Parameter 1 #	17 Old Param. 1 ID	snow	New Param. 1 ID	Snow	Changed Param. 1? N
Parameter 2 #	Old Param. 2 ID		New Param. 2 ID		Changed Param. 2?
Old Value 1	1	New Value 1	Lig	ght	Changed Value 1? Y
Old Value 2		New Value 2			Changed Value 2?
Old Operator 1	> New Opt. 1 >	Changed Opt. 1?	N Old Opt. 2	New Opt. 2	Changed Opt. 2?
Old Condensed Impact	Snow	New Cond Impact	densed	Snow	Changed Condensed Impact?
Old Full Impact	Snow > light intensity mal	kes mobility of the sys	tem very difficult.		
New Full Impact	Snow > light intensity ma	kes mobility of the sys	tem difficult and in	ncreases driving ti	me.
					Changed Full Impact Y
Old Source	(1st Cavalry Division, 1992	2);			
New Source	TM 9-2320-280-10, Para 2-	22, Oct 1986			
Comments					
Change to Source	ce? Y	Are There Any	(2) Options? N		Any Change to Record? Y

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ID# 1 C	Component Name	30 MM MACHINE	GUN		Rule 1#	46 Rule	2#	Delete Rule? Y
Old Color 1	New Color						Ċ	Changed Color?
Parameter 1 #	26 Old Param. 1 ID	visibility	New Param	. 1 ID				Changed Param. 1?
Parameter 2 #	Old Param. 2 ID		New Param	. 2 ID				Changed Param. 2?
Old Value 1	4000	New Value	1					Changed Value 1?
Old Value 2		New Value	2					Changed Value 2?
Old Operator 1	< New Opt. 1	Changed Opt. 1	? Old 0	Opt. 2	N	lew Opt. 2		Changed Opt. 2
Old Condensed Impact	Reduced Visibility	New Co	ondensed					Changed Condensed Impact?
Old Full Impact	Visibility < 2.5 miles (4000 n	n) reduces the op	erating cap	ability.	•			
New Full Impact								
							C	hanged Full Impact?
Old Source (1s	t Cavalry Division, 1992);							
New Source/ Reason for Delete	Delete Rule: Redundant with	n Subsystem Rul	e #ID 12					
Comments			14.					
Changed Source	9? Y	Are There A	ny (2) Optior	ns? I	N		Anv 0	Change to Record? Y
-				_			•	
:D # \ \		0 50 (DATRIOT F			5.1.4.11		. [
ID# 2 C	omponent Name AN/MP New Color	Q-53 (PATRIOT F	CADAR AN I)	Rule 1#	55 Rule	L	Delete Rule? Y
Parameter 1 #		reezingrain	New Param	1 10				Changed Color? Changed Param. 1?
Parameter 2 #	Old Param. 2 ID	cczingram	New Param	<u>_</u>				Changed Param. 27
Old Value 1	1	New Value					7	Changed Value 1?
Old Value 2		New Value					1	Changed Value 2?
Old Operator 1	> New Opt. 1	☐ Changed Opt. 1	? Old C	Opt. 2	N	lew Opt. 2		Changed Opt. 2
Old Condensed	Freezing Rain		ondensed [•		Changed —
Impact		Impact						Condensed Impact?
Old Full Impact	Moderate freezing rain caus	es ice buildup o	n the antenr	a that	may degr	ade the effec	tiven	ess of the system.
New Full Impact								
now i an impaoi								
							C	hanged Full Impact?
	t Cavalry Division, 1992);							
New Source/ Reason for Delete	Delete Rule: TM9-1430-601-1 1997	I0-1, Operator's N	Manual mak	es no n	mention o	f any impact	from	freezing rain, May
Comments								
Changed Source	e? Y	Are There A	ny (2) Option	ns? [N		Any (Change to Record? Y

ID# 3 Component Name AN/MPQ-53 (PATRIOT RADAR ANT) Rule 1 # 57 Rule 2 # Delete Rule? Y
Old Color 2 New Color Changed Color?
Parameter 1 # 10 Old Param. 1 ID freezingrain New Param. 1 ID Changed Param. 1?
Parameter 2 # Old Param. 2 ID New Param. 2 ID Changed Param. 2?
Old Value 1 2 New Value 1 Changed Value 1?
Old Value 2 New Value 2 Changed Value 2?
Old Operator 1 > New Opt. 1 Changed Opt. 1? Old Opt. 2 New Opt. 2 Changed Opt. 2
Old Condensed Impact Freezing Rain New Condensed Impact Changed Condensed Impact Condensed Impact?
Old Full Impact Heavy freezing rain causes ice buildup on the antenna that significantly degrades the effectiveness of the system.
New Full Impact
Ohannad Eulliannad C
Changed Full Impact? Old Source (1st Cavalry Division, 1992);
New Source/ Delete Rule: TM9-1430-601-10-1, Operator's Manual makes no mention fany impact from freezing rain, May
Reason for Delete
Comments
Changed Source? Y Are There Any (2) Options? N Any Change to Record? Y
ID II ANIMADO 52 (DATRIOT DADAD ANT) Dulo 4 # 50 Dulo 2 # Doleto Bulo 2 V
ID # 4 Component Name AN/MPQ-53 (PATRIOT RADAR ANT) Rule 1 # 58 Rule 2 # Delete Rule? Y
Old Color 2 New Color Changed Color?
Old Color 2 New Color Changed Color? Parameter 1 # 17 Old Param. 1 ID snow New Param. 1 ID Changed Param. 1?
Old Color 2 New Color Changed Color? Parameter 1 # 17 Old Param. 1 ID Snow New Param. 1 ID Changed Param. 1? Parameter 2 # Old Param. 2 ID New Param. 2 ID Changed Param. 2?
Old Color 2 New Color Changed Color? Parameter 1 # 17 Old Param. 1 ID snow New Param. 1 ID Changed Param. 1? Parameter 2 # Old Param. 2 ID New Param. 2 ID Changed Param. 2? Old Value 1 3 New Value 1 Changed Value 1?
Old Color 2 New Color Changed Color? Parameter 1 # 17 Old Param. 1 ID Snow New Param. 1 ID Changed Param. 1? Parameter 2 # Old Param. 2 ID New Param. 2 ID Changed Param. 2? Old Value 1 3 New Value 1 Changed Value 1? Old Value 2 Changed Value 2?
Old Color 2 New Color Changed Color? Parameter 1 # 17 Old Param. 1 ID snow New Param. 1 ID Changed Param. 1? Parameter 2 # Old Param. 2 ID New Param. 2 ID Changed Param. 2? Old Value 1 3 New Value 1 Changed Value 1? Old Value 2 New Opt. 1 Changed Opt. 1? Old Opt. 2 New Opt. 2 Changed Opt. 2
Old Color 2 New Color Changed Color? Parameter 1 # 17 Old Param. 1 ID Snow New Param. 1 ID Changed Param. 1? Parameter 2 # Old Param. 2 ID New Param. 2 ID Changed Param. 2? Old Value 1 3 New Value 1 Changed Value 1? Old Value 2 Changed Value 2?
Old Color 2 New Color Changed Color? Parameter 1 # 17 Old Param. 1 ID snow New Param. 1 ID Changed Param. 1? Parameter 2 # Old Param. 2 ID New Param. 2 ID Changed Param. 2? Old Value 1 3 New Value 1 Changed Value 1? Old Value 2 New Opt. 1 Changed Opt. 1? Old Opt. 2 New Opt. 2 Changed Opt. 2 Old Condensed Snow New Condensed Changed
Old Color 2 New Color Changed Color? Parameter 1 # 17 Old Param. 1 ID snow New Param. 1 ID Changed Param. 1? Parameter 2 # Old Param. 2 ID New Param. 2 ID Changed Param. 2? Old Value 1 3 New Value 1 Changed Value 1? Old Value 2 New Opt. 1 Changed Opt. 1? Old Opt. 2 New Opt. 2 Changed Opt. 2 Old Condensed Impact Condensed Impact
Old Color 2 New Color Changed Color? Parameter 1 # 17 Old Param. 1 ID snow New Param. 1 ID Changed Param. 1? Parameter 2 # Old Param. 2 ID New Param. 2 ID Changed Param. 2? Old Value 1 3 New Value 1 Changed Value 1? Old Value 2 New Opt. 1 Changed Opt. 1? Old Opt. 2 New Opt. 2 Changed Opt. 2 Old Condensed Impact Changed Condensed Impact Condensed Impact? Old Full Impact Heavy snow attenuates the signal and significantly degrades the effectiveness of the system.
Old Color 2 New Color Changed Color? Parameter 1 # 17 Old Param. 1 ID snow New Param. 1 ID Changed Param. 1? Parameter 2 # Old Param. 2 ID New Param. 2 ID Changed Param. 2? Old Value 1 3 New Value 1 Changed Value 1? Old Value 2 New Opt. 1 Changed Opt. 1? Old Opt. 2 New Opt. 2 Changed Opt. 2 Old Condensed Impact Changed Condensed Impact Condensed Impact? Old Full Impact Heavy snow attenuates the signal and significantly degrades the effectiveness of the system.
Old Color 2 New Color Changed Color? Parameter 1 # 17 Old Param. 1 ID Snow New Param. 1 ID Changed Param. 1? Parameter 2 # Old Param. 2 ID New Param. 2 ID Changed Param. 2? Old Value 1 3 New Value 1 Changed Value 1? Old Value 2 New Opt. 1 Changed Opt. 1? Old Opt. 2 New Opt. 2 Changed Opt. 2 Old Condensed Impact Snow New Condensed Impact Changed Condensed Impact Old Full Impact Heavy snow attenuates the signal and significantly degrades the effectiveness of the system.
Old Color 2 New Color
Old Color 2 New Color Changed Color? Parameter 1 # 17 Old Param. 1 ID Snow New Param. 1 ID Changed Param. 1? Parameter 2 # Old Param. 2 ID New Param. 2 ID Changed Param. 2? Old Value 1 3 New Value 1 Changed Value 1? Old Value 2 New Value 2 Changed Value 2? Old Operator 1 = New Opt. 1 Changed Opt. 1? Old Opt. 2 New Opt. 2 Changed Opt. 2 Old Condensed Impact Condensed Impact Changed Condensed Impact Changed Condensed Impact Changed Condensed Impact Changed Condensed Impact Condensed Impact Changed Condensed Impact Changed Condensed Impact Condensed Impact Condensed Impact Condensed Impact Changed Condensed Impact Condense Impact Conde

ID # 5 Component Name AN/MPQ-53 (PATRIOT RADAR ANT) Rule 1 # 59 Rule 2 # Delete Rule? Y
Old Color 1 New Color Changed Color?
Parameter 1 # 17 Old Param. 1 ID snow New Param. 1 ID Changed Param. 1?
Parameter 2 # Old Param. 2 ID New Param. 2 ID Changed Param. 2?
Old Value 1 New Value 1 Changed Value 1?
Old Value 2 New Value 2 Changed Value 2?
Old Operator 1 > New Opt. 1 Changed Opt. 1? Old Opt. 2 New Opt. 2 Changed Opt. 2
Old Condensed Impact New Condensed Impact Changed Condensed Impact Condensed Impact?
Old Full Impact Moderate snow attenuates the signal and degrades the effectiveness of the system.
New Full break
New Full Impact
Old Source (1st Cavalry Division, 1992);
New Source/ Delete Rule: TM9-1430-601-10-1, Operator's Manual makes no mentionof any impact from snow, May 1997
Reason for Delete
Comments
Changed Source? Y Are There Any (2) Options? N Any Change to Record? Y
ID # 6 Component Name COPPERHEAD Rule 1 # 37 Rule 2 # Delete Rule? N
ID # 6 Component Name
Old Color 2 New Color 2 Changed Color? N
Old Color 2 New Color 2 Changed Color? N Parameter 1 # 26 Old Param. 1 ID visibility New Param. 1 ID Visibility Changed Param. 1? N
Old Color 2 New Color 2 Changed Color? N Parameter 1 # 26 Old Param. 1 ID visibility New Param. 1 ID Visibility Changed Param. 1? N Parameter 2 # Old Param. 2 ID New Param. 2 ID Changed Param. 2?
Old Color 2 New Color 2 Changed Color? N Parameter 1 # 26 Old Param. 1 ID visibility New Param. 1 ID Visibility Changed Param. 1? N Parameter 2 # Old Param. 2 ID New Param. 2 ID Changed Param. 2? Old Value 1 1000 New Value 1 1000 meters Changed Value 1? N
Old Color 2 New Color 2 Changed Color? N Parameter 1 # 26 Old Param. 1 ID visibility New Param. 1 ID Visibility Changed Param. 1? N Parameter 2 # Old Param. 2 ID New Param. 2 ID Changed Param. 2? Old Value 1 1000 New Value 1 1000 meters Changed Value 1? N Old Value 2 Changed Value 2?
Old Color 2 New Color 2 Changed Color? N Parameter 1 # 26 Old Param. 1 ID visibility New Param. 1 ID Visibility Changed Param. 1 N Parameter 2 # Old Param. 2 ID New Param. 2 ID Changed Param. 2 Old Value 1 1000 New Value 1 1000 meters Changed Value 1? N Old Value 2 New Opt. 1 < Changed Opt. 1? N Old Opt. 2 New Opt. 2 Changed Opt. 2 Old Condensed Reduced Visibility New Condensed Very Low Visibility Changed
Old Color 2 New Color 2 Changed Color? N Parameter 1 # 26 Old Param. 1 ID visibility New Param. 1 ID Visibility Changed Param. 1? N Parameter 2 # Old Param. 2 ID New Param. 2 ID Changed Param. 2? Old Value 1 1000 New Value 1 1000 meters Changed Value 1? N Old Value 2 New Opt. 1 < Changed Opt. 1? N Old Opt. 2 New Opt. 2 Changed Opt. 2 Old Condensed Reduced Visibility New Condensed Impact Very Low Visibility Changed Condensed Impact? Old Full Impact Visibility < 0.6 mile (1000 m) reduces the engagement effectiveness of the IR-SAL sensor.
Old Color 2 New Color 2 Changed Color? N Parameter 1 # 26 Old Param. 1 ID visibility New Param. 1 ID Visibility Changed Param. 1? N Parameter 2 # Old Param. 2 ID New Param. 2 ID Changed Param. 2? Old Value 1 1000 New Value 1 1000 meters Changed Value 1? N Old Value 2 New Opt. 1 Changed Opt. 1? N Old Opt. 2 New Opt. 2 Changed Opt. 2 Old Condensed Reduced Visibility New Condensed Impact Condensed Impact? Y
Old Color 2 New Color 2 New Color 2 Changed Color? N Parameter 1 # 26 Old Param. 1 ID visibility New Param. 1 ID Visibility Changed Param. 17 N Parameter 2 # Old Param. 2 ID Changed Param. 27 Old Value 1 1000 New Value 1 1000 meters Changed Value 1? N Old Value 2 New Value 2 Changed Value 2? Old Operator 1 < New Opt. 1 < Changed Opt. 1? N Old Opt. 2 New Opt. 2 Changed Opt. 2 Old Condensed Impact Reduced Visibility New Condensed Impact Very Low Visibility Changed Condensed Impact? Y Old Full Impact Visibility < 0.6 mile (1000 m) reduces the engagement effectiveness of the IR-SAL sensor.
Old Color 2 New Color 2 New Color 2 Changed Color? N Parameter 1 # 26 Old Param. 1 ID visibility New Param. 1 ID Visibility Changed Param. 1 N Parameter 2 # Old Param. 2 ID New Param. 2 ID Changed Param. 2 Old Value 1 1000 New Value 1 1000 meters Changed Value 1? N Old Value 2 New Opt. 1 < Changed Opt. 1? N Old Opt. 2 New Opt. 2 Changed Opt. 2 Old Condensed Impact Reduced Visibility New Condensed Impact Very Low Visibility Changed Condensed Impact Visibility Very Low Visibility Changed Condensed Impact? Y Old Full Impact Visibility O.6 mile (1000 m) reduces the engagement effectiveness of the IR-SAL sensor. Changed Full Impact? N
Old Color 2 New Color 2 Changed Color? N Parameter 1 # 26 Old Param. 1 ID visibility New Param. 1 ID Visibility Changed Param. 1 N Parameter 2 # Old Param. 2 ID New Param. 2 ID Changed Param. 2? Old Value 1 1000 New Value 1 1000 meters Changed Value 1? N Old Value 2 New Value 2 Changed Value 2? Old Operator 1 < New Opt. 1 < Changed Opt. 1? N Old Opt. 2 New Opt. 2 Changed Opt. 2 Old Condensed Impact Visibility New Condensed Very Low Visibility Changed Condensed Impact? Old Full Impact Visibility < 0.6 mile (1000 m) reduces the engagement effectiveness of the IR-SAL sensor. Old Source (1st Cavalry Division, 1992);
Old Color 2 New Color 2 New Color 2 Changed Color? N Parameter 1 # 26 Old Param. 1 ID visibility New Param. 1 ID Visibility Changed Param. 1 N Parameter 2 # Old Param. 2 ID New Param. 2 ID Changed Param. 2 Old Value 1 1000 New Value 1 1000 meters Changed Value 1? N Old Value 2 New Opt. 1 < Changed Opt. 1? N Old Opt. 2 New Opt. 2 Changed Opt. 2 Old Condensed Impact Reduced Visibility New Condensed Impact Very Low Visibility Changed Condensed Impact Visibility Very Low Visibility Changed Condensed Impact? Y Old Full Impact Visibility O.6 mile (1000 m) reduces the engagement effectiveness of the IR-SAL sensor. Changed Full Impact? N
Old Color 2 New Color 2 Changed Color? N Parameter 1 # 26 Old Param. 1 ID visibility New Param. 1 ID Visibility Changed Param. 17 N Parameter 2 # Old Param. 2 ID New Param. 2 ID Changed Param. 27 Old Value 1 1000 New Value 1 1000 meters Changed Value 1? N Old Value 2 New Opt. 1 Changed Opt. 1? N Old Opt. 2 New Opt. 2 Changed Opt. 2 Old Condensed Impact Reduced Visibility New Condensed Impact Very Low Visibility Changed Condensed Impact? Y Old Full Impact Visibility < 0.6 mile (1000 m) reduces the engagement effectiveness of the IR-SAL sensor. Old Source (1st Cavalry Division, 1992); New Source/ Reason for Rule validated by USAFAS, POC Maj Chapman, 3 Dec 1997 Reason for

ID# 7 C	omponent Name		COPPERHEA	AD		Rule 1 # [46	Rule 2	2#		Delete Ru	ıle? 🚹	١
Old Color 1	New Color	1							CH	nange	d Color?	1	١
Parameter 1 #	26 Old Param. 1 ID	٧	isibility	New Param. 1	1 ID	٧	isibility	1		Chan	ged Parar	n. 1? N	1
Parameter 2 #	Old Param. 2 ID			New Param. 2	2 ID[Chan	ged Parar	n. 2?	
Old Value 1	4000		New Value	1	40	00 meters				Chan	ged Value	1? [1
Old Value 2			New Value	2						Chan	ged Value	2?	
Old Operator 1	< New Opt. 1	<	Changed Opt.	1? N Old Op	ot. 2 [Ne	ew Opt.	2		Ch	anged Op	t. 2 📗	
Old Condensed Impact	Reduced V	isibility	New C Impact	ondensed		Low Vi	sibility			hange onder	ed nsed Impa	ct?	1
Old Full Impact	Visibility < 2.5 miles	(4000 m)	reduces the er	ngagement eff	fectiv	eness of ti	he IR-S	AL se	nsor.				
New Full Impact	Visibility < 2.5 miles	(4000 m)	reduces the er	ngagement eff	ectiv	eness of ti	he IR-S	AL se	nsor.				
									Cha	anged	l Full Impa	ct?	1
ــــــــــــــــــــــــــــــــــــــ	Cavalry Division, 19												_
New Source/ Reason for Delete	Rule validated by US	AFAS, PO	OC Maj Chapma	an, 3 Dec 1997									
Comments													
Changed Source	? Y		Are There A	ny (2) Options	? [N			nv Ch	nange	to Record	!? \\	 '
Ogo				, (-, -, -, -, -, -, -, -, -, -, -, -, -, -					,				
ID# 8 C	omponent Name		COPPERHEA	AD.		Rule 1 #	52	Rule 2	2#		Delete Ru	ile? N	1
ID# 8 C	omponent Name New Color	1	COPPERHEA			Rule 1 # [52	Rule 2	Ch	ange	d Color?	Ī,	1
Old Color 1		1	COPPERHEA	New Param. 1		Rule 1 # [52 Rain	Rule 2	Ch	ange	d Color? ged Paran	n. 1? N	1
Old Color 1 Parameter 1 # Parameter 2 #	New Color	1	rain	New Param. 1	םו ו	-		Rule 2	Ch	ange Chan Chan	d Color? ged Paran ged Paran	1. 1? N 1. 2?	
Old Color 1 Parameter 1 #	New Color 14 Old Param. 1 ID	1]	New Param. 1	םו ו	Rule 1 # [Rule 2	Ch	ange Chan Chan Chan	d Color? ged Paran ged Paran ged Value	1. 1? N 1. 2? 1? Y	
Old Color 1 Parameter 1 # Parameter 2 #	New Color 14 Old Param. 1 ID Old Param. 2 ID		rain New Value New Value	New Param. 1 New Param. 2 1	I ID	-		Rule 2	Ch	ange Chan Chan Chan	d Color? ged Paran ged Paran	1. 1? N 1. 2? 1? Y	1
Old Color 1 Parameter 1 # Parameter 2 # Old Value 1	New Color 14 Old Param. 1 ID Old Param. 2 ID		rain New Value New Value Changed Opt. 1	New Param. 1 New Param. 2 1 2 N Old Op	I ID	Light			Ch	ange Chan Chan Chan Chan	d Color? ged Paran ged Paran ged Value ged Value anged Opt	1. 1? N 1. 2? 1? Y 2?	1
Old Color 1 Parameter 1 # Parameter 2 # Old Value 1 Old Value 2	New Color 14 Old Param. 1 ID Old Param. 2 ID 1	>	rain New Value New Value Changed Opt. 1	New Param. 1 New Param. 2 1 2 1? N Old Opondensed	I ID	Light	Rain		Ch	Chan Chan Chan Chan Chan hange	d Color? ged Paran ged Paran ged Value ged Value anged Opt	1. 17 N 1. 27 1 1? Y 2? 2? 1	
Old Color 1 Parameter 1 # Parameter 2 # Old Value 1 Old Value 2 Old Operator 1 Old Condensed	New Color 14 Old Param. 1 ID Old Param. 2 ID 1 New Opt. 1	> ation	New Value New Value Changed Opt. 1	New Param. 1 New Param. 2 1 2 17 N Old Opondensed	I ID	Light	Rain		Ch	Chan Chan Chan Chan Chan hange	d Color? ged Paran ged Paran ged Value ged Value anged Opted	1. 17 N 1. 27 1 1? Y 2? 2? 1	
Old Color 1 Parameter 1 # Parameter 2 # Old Value 1 Old Value 2 Old Operator 1 Old Condensed Impact Old Full Impact	New Color 14 Old Param. 1 ID Old Param. 2 ID 1 New Opt. 1 Precipita Rain > light intensity	> ation	New Value New Value Changed Opt. New C Impact	New Param. 1 New Param. 2 1 2 1? N Old Op ondensed t difficult.	I ID	Light	Rain		Ch	Chan Chan Chan Chan Chan hange	d Color? ged Paran ged Paran ged Value ged Value anged Opted	1. 17 N 1. 27 1 1? Y 2? 2? 1	
Old Color 1 Parameter 1 # Parameter 2 # Old Value 1 Old Value 2 Old Operator 1 Old Condensed Impact Old Full Impact	New Color 14 Old Param. 1 ID Old Param. 2 ID 1 New Opt. 1 Precipita	> ation	New Value New Value Changed Opt. New C Impact	New Param. 1 New Param. 2 1 2 1? N Old Op ondensed t difficult.	I ID	Light	Rain		Ch	Chan Chan Chan Chan Chan hange	d Color? ged Paran ged Paran ged Value ged Value anged Opted	1. 17 N 1. 27 1 1? Y 2? 2? 1	
Old Color 1 Parameter 1 # Parameter 2 # Old Value 1 Old Value 2 Old Operator 1 Old Condensed Impact Old Full Impact	New Color 14 Old Param. 1 ID Old Param. 2 ID 1 New Opt. 1 Precipita Rain > light intensity	> ation	New Value New Value Changed Opt. New C Impact	New Param. 1 New Param. 2 1 2 1? N Old Op ondensed t difficult.	I ID	Light	Rain		Ch	Chan Chan Chan Chan Chan hange	d Color? ged Paran ged Paran ged Value ged Value anged Opted	1. 17 N 1. 27 1 1? Y 2? 2? 1	
Old Color 1 Parameter 1 # Parameter 2 # Old Value 1 Old Value 2 Old Operator 1 Old Condensed Impact Old Full Impact New Full Impact	New Color 14 Old Param. 1 ID Old Param. 2 ID 1 New Opt. 1 Precipita Rain > light intensity	> ation makes la	New Value New Value Changed Opt. New C Impact	New Param. 1 New Param. 2 1 2 1? N Old Op ondensed t difficult.	I ID	Light	Rain		Ch	change Chang Chang Chang Chang Chi	d Color? ged Paran ged Paran ged Value ged Value anged Opted	1. 17 N 1. 27 1 1? Y 2? 1 1. 2 1	
Old Color 1 Parameter 1 # Parameter 2 # Old Value 1 Old Value 2 Old Operator 1 Old Condensed Impact Old Full Impact New Full Impact Old Source (1st	New Color 14 Old Param. 1 ID Old Param. 2 ID 1 New Opt. 1 Precipita Rain > light intensity Rain > light intensity	> ation makes la makes la makes la	New Value New Value Changed Opt. New C Impact asing the targe	New Param. 1 New Param. 2 1 2 1? N Old Op ondensed t difficult.	1 ID	Light	Rain		Ch	change Chang Chang Chang Chang Chi	d Color? ged Paran ged Value ged Value anged Opi ed nsed Impa	1. 17 N 1. 27 1 1? Y 2? 1 1. 2 1	
Old Color 1 Parameter 1 # Parameter 2 # Old Value 1 Old Value 2 Old Operator 1 Old Condensed Impact Old Full Impact New Full Impact Old Source (1st	New Color 14 Old Param. 1 ID Old Param. 2 ID 1 New Opt. 1 Precipita Rain > light intensity	> ation makes la makes la makes la	New Value New Value Changed Opt. New C Impact asing the targe	New Param. 1 New Param. 2 1 2 1? N Old Op ondensed t difficult.	1 ID	Light	Rain		Ch	change Chang Chang Chang Chang Chi	d Color? ged Paran ged Value ged Value anged Opi ed nsed Impa	1. 17 N 1. 27 1 1? Y 2? 2? 1 t. 2 1	
Old Color 1 Parameter 1 # Parameter 2 # Old Value 1 Old Value 2 Old Operator 1 Old Condensed Impact Old Full Impact New Full Impact Old Source (1st) New Source/ Reason for	New Color 14 Old Param. 1 ID Old Param. 2 ID 1 New Opt. 1 Precipita Rain > light intensity Rain > light intensity	> ation makes la makes la makes la	New Value New Value Changed Opt. New C Impact asing the targe	New Param. 1 New Param. 2 1 2 1? N Old Op ondensed t difficult.	1 ID	Light	Rain		Ch	change Chang Chang Chang Chang Chi	d Color? ged Paran ged Value ged Value anged Opi ed nsed Impa	1. 17 N 1. 27 1 1? Y 2? 2? 1 t. 2 1	

ID# 9 C	Component Name	COPPERHEAD		Rule 1 # 54 Rule	e 2 # Delete Rule? N							
Old Color 2	New Color 2				Changed Color? N							
Parameter 1 #	14 Old Param. 1 ID	rain Ne	w Param. 1 ID	Rain	Changed Param. 1? N							
Parameter 2 #	Old Param. 2 ID	Ne	w Param. 2 ID		Changed Param. 2?							
Old Value 1	2	New Value 1	N	loderate	Changed Value 1? Y							
Old Value 2		New Value 2			Changed Value 2?							
Old Operator 1	> New Opt. 1 >	Changed Opt. 1?	N Old Opt. 2	New Opt. 2	Changed Opt. 2							
Old Condensed Impact	Precipitation	New Cond Impact	lensed	Heavy Rain	Changed Condensed Impact?							
Old Full Impact												
New Full Impact	New Full Impact Rain > moderate intensity makes lasing the target very difficult.											
					Changed Full Impact? N							
	st Cavalry Division, 1992);											
New Source/ Reason for Delete	Rule validated by USAFAS, F	OC Maj Chapman,	3 Dec 1997									
Comments												
Changed Source	e? Y	Are There Any	(2) Options?		Any Change to Record? Y							
ID# 10 C	Component Name	COPPERHEAD		Rule 1 # 58 Rule	2 # Delete Rule? N							
	Component Name New Color 2	COPPERHEAD		Rule 1 # 58 Rule	e 2 # Delete Rule? N Changed Color? N							
ID# 10 COOR 2 Parameter 1#	New Color 2			Rule 1 # 58 Rule	Changed Color? N							
Old Color 2	New Color 2 17 Old Param. 1 ID	snow Ne	ew Param. 1 ID		Changed Color? N Changed Param. 1? N							
Old Color 2 Parameter 1 #	New Color 2	snow Ne	ew Param. 1 ID		Changed Color? N Changed Param. 17 N Changed Param. 27							
Old Color 2 Parameter 1 # Parameter 2 #	New Color 2 17 Old Param. 1 ID Old Param. 2 ID	snow Ne	ew Param. 1 ID	Snow	Changed Color? N Changed Param. 17 N Changed Param. 27							
Old Color 2 Parameter 1 # Parameter 2 # Old Value 1	New Color 2 17 Old Param. 1 ID Old Param. 2 ID	snow Ne Ne New Value 1	ew Param. 1 ID	Snow	Changed Color? Changed Param. 1? N Changed Param. 2? Changed Value 1? Y							
Old Color 2 Parameter 1 # Parameter 2 # Old Value 1 Old Value 2	New Color 2 17 Old Param. 1 ID Old Param. 2 ID 3	snow Ne Ne New Value 1 New Value 2	ew Param. 1 ID ew Param. 2 ID N Old Opt. 2	Snow	Changed Color? Changed Param. 17 N Changed Param. 27 Changed Value 1? Y Changed Value 2?							
Old Color 2 Parameter 1 # Parameter 2 # Old Value 1 Old Value 2 Old Operator 1 Old Condensed	New Color 2 17 Old Param. 1 ID Old Param. 2 ID 3	snow Ne New Value 1 New Value 2 Changed Opt. 1? New Conclimpact	ew Param. 1 ID ew Param. 2 ID N Old Opt. 2	Snow Moderate New Opt. 2 Heavy Snow	Changed Color? N Changed Param. 1? N Changed Param. 2? Changed Value 1? Y Changed Value 2? Changed Opt. 2 Changed							
Old Color 2 Parameter 1 # Parameter 2 # Old Value 1 Old Value 2 Old Operator 1 Old Condensed Impact Old Full Impact	New Color 2 17 Old Param. 1 ID Old Param. 2 ID 3 = New Opt. 1 = Snow Snow > moderate intensity	snow Ne New Value 1 New Value 2 Changed Opt. 1? New Conc Impact makes lasing the tail	ew Param. 1 ID ew Param. 2 ID N Old Opt. 2 densed rget very difficult	Snow Moderate New Opt. 2 [Heavy Snow	Changed Color? N Changed Param. 1? N Changed Param. 2? Changed Value 1? Y Changed Value 2? Changed Opt. 2 Changed							
Old Color 2 Parameter 1 # Parameter 2 # Old Value 1 Old Value 2 Old Operator 1 Old Condensed Impact Old Full Impact	New Color 2 17 Old Param. 1 ID Old Param. 2 ID 3 = New Opt. 1 = Snow	snow Ne New Value 1 New Value 2 Changed Opt. 1? New Conc Impact makes lasing the tail	ew Param. 1 ID ew Param. 2 ID N Old Opt. 2 densed rget very difficult	Snow Moderate New Opt. 2 [Heavy Snow	Changed Color? N Changed Param. 1? N Changed Param. 2? Changed Value 1? Y Changed Value 2? Changed Opt. 2 Changed							
Old Color 2 Parameter 1 # Parameter 2 # Old Value 1 Old Value 2 Old Operator 1 Old Condensed Impact Old Full Impact	New Color 2 17 Old Param. 1 ID Old Param. 2 ID 3 = New Opt. 1 = Snow Snow > moderate intensity	snow Ne New Value 1 New Value 2 Changed Opt. 1? New Conc Impact makes lasing the tail	ew Param. 1 ID ew Param. 2 ID N Old Opt. 2 densed rget very difficult	Snow Moderate New Opt. 2 [Heavy Snow	Changed Color? N Changed Param. 1? N Changed Param. 2? Changed Value 1? Y Changed Value 2? Changed Opt. 2 Changed							
Old Color 2 Parameter 1 # Parameter 2 # Old Value 1 Old Value 2 Old Operator 1 Old Condensed Impact Old Full Impact New Full Impact	New Color 2 17 Old Param. 1 ID Old Param. 2 ID 3 = New Opt. 1 = Snow Snow > moderate intensity	snow Ne New Value 1 New Value 2 Changed Opt. 1? New Conc Impact makes lasing the tail	ew Param. 1 ID ew Param. 2 ID N Old Opt. 2 densed rget very difficult	Snow Moderate New Opt. 2 [Heavy Snow	Changed Color? Changed Param. 1? N Changed Param. 2? Changed Value 1? Y Changed Value 2? Changed Opt. 2 Changed Condensed Impact? Y							
Old Color 2 Parameter 1 # Parameter 2 # Old Value 1 Old Value 2 Old Operator 1 Old Condensed Impact Old Full Impact New Full Impact	New Color 2 17 Old Param. 1 ID Old Param. 2 ID 3 = New Opt. 1 = Snow Snow > moderate intensity	snow Ne New Value 1 New Value 2 Changed Opt. 1? New Conc Impact makes lasing the tai	ew Param. 1 ID ew Param. 2 ID N N Old Opt. 2 densed rget very difficul rget very difficul	Snow Moderate New Opt. 2 [Heavy Snow	Changed Color? Changed Param. 1? N Changed Param. 2? Changed Value 1? Y Changed Value 2? Changed Opt. 2 Changed Condensed Impact? Y							
Old Color 2 Parameter 1 # Parameter 2 # Old Value 1 Old Value 2 Old Operator 1 Old Condensed Impact Old Full Impact New Full Impact Old Source (1s New Source/Reason for	New Color 2 17 Old Param. 1 ID Old Param. 2 ID 3 = New Opt. 1 = Snow Snow > moderate intensity Snow > moderate intensity of the color of the col	snow Ne New Value 1 New Value 2 Changed Opt. 1? New Conc Impact makes lasing the tai	ew Param. 1 ID ew Param. 2 ID N N Old Opt. 2 densed rget very difficul rget very difficul	Snow Moderate New Opt. 2 [Heavy Snow	Changed Color? Changed Param. 1? N Changed Param. 2? Changed Value 1? Y Changed Value 2? Changed Opt. 2 Changed Condensed Impact? Y							

ID# 11 C	ompon	ent Name		COPPI	ERHEAD)		Rule 1 #	59	Rule	2#		Delete F	Rule?	N
Old Color 1		New Color	1					_			Ċ	Change	ed Color?		N
Parameter 1 #	arameter 1 # 17 Old Param. 1 ID				snow New Param. 1 ID S					Snow Changed					N
Parameter 2 #	(Old Param. 2 ID			1	New Para	m. 2 ID					Char	iged Para	am. 27	
Old Value 1		1	New	New Value 1 Light							Char	nged Valu	ie 1?	Y	
Old Value 2	New	Value 2							Char	iged Valu	ie 2?				
Old Operator 1	>	New Opt. 1	>	Change	1 Opt. 1?	N Oid	Opt. 2		New Opt	. 2		Cr	nanged O	pt. 2	
Old Condensed Impact		Snov	N	New Condensed Impact				S	Snow			Chang Conde	ed nsed Imp	act?	N
Old Full Impact															
New Full Impact	Snow	> light intensi	ty makes	lasing th	e target	difficult	•								
											c	hange	d Full Imp	act?	N
Li		lry Division, 19													
New Source/ Reason for Delete	Rule v	alidated by US	AFAS, P	OC Maj C	hapman	, 3 Dec 1	997								
Comments															
Changed Source	? Y			Are T	here An	y (2) Opti	ons?	N		/	Any (Change	to Reco	rd?	Υ
ID# 12 C	ompon	ent Name		COPP	RHEAD)		Rule 1#	96	Rule :	2#	96	Delete F	Rule?	N
Old Color 2		New Color	2								Ċ	Change	d Color?		N
Parameter 1 #	4	Old Param. 1 ID	cl	oudcover	N	lew Para	m. 1 ID	C	loud Co	ver		Chan	ged Para	ım. 1?	N
Parameter 2 #	3 (Old Param. 2 ID	cl	oudbase	١	lew Para	m. 2 ID	(Cloud Ba	se		Chan	iged Para	m. 2?	N
Old Value 1		0		New	Value 1		4/	8 Covera	ge			Chan	iged Valu	e 1?	Υ
Old Value 2		1500		New	Value 2			1500 ft.				Chan	iged Valu	e 2?	N
Old Operator 1	>	New Opt. 1	>=	Changed	Opt. 1?	YOld	Opt. 2	<=	New Opt	. 2	<=	Ch	anged O	pt. 2	N
Old Condensed Impact		Cloud	ls		New Cor Impact	ndensed		Low	Clouds			Chang Conde	ed nsed Imp	act?	Υ
Old Full Impact	Cloud	l bases <= 150) ft make	acquiring	g the las	ed targe	t very d	lifficult.							
															_
New Full Impact	Cloud	l ceilings <= 15	i00 ft mal	ke acquir	ing the I	ased tar	get very	difficult.							
		4 44 54 64 64 64 64 64 64 64 64 64 64 64 64 64													=
						****					c	hanged	i Full Imp	act?	Υ
		Iry Division, 19				0.5									
New Source/ Reason for Delete	Rule v	alidated by US	AFAS, P	OC Maj C	hapman	, 3 Dec 1	997								
Comments										,	110 2 4 4 4				
Changed Source	? Y					/e> = ::								16	
				A T	ha-a A-	y (2) Opti	one2	Υ			Anv (Thange	to Reco	rri7	Y

ID# 13 Component Name COPPERHEAD Rule 1 # 97 Rule 2 # 97 Delete Rule? N
ID# 13 Component Name COPPERHEAD Rule 1 # 97 Rule 2 # 97 Delete Rule? N
Old Color 1 New Color 1 Changed Color? N
Parameter 1 # 4 Old Param. 1 ID cloudcover New Param. 1 ID Cloud Cover Changed Param. 1? N
Parameter 2 # 3 Old Param. 2 ID cloudbase New Param. 2 ID Cloud Base Changed Param. 27 N
Old Value 1 0 New Value 1 4/8 Coverage Changed Value 1? Y
Old Value 2 2500 New Value 2 2500 ft. Changed Value 2? N
Old Operator 1 > New Opt. 1 >= Changed Opt. 1? Y Old Opt. 2 <= New Opt. 2 <= Changed Opt. 2 N
Old Condensed Impact
Old Full Impact Cloud bases <= 2500 ft make acquiring the lased target difficult.
New Full Impact Cloud ceilings <= 2500 ft make acquiring the lased target difficult.
Changed Full Impact? Y
Old Source (1st Cavalry Division, 1992);
New Source/ Reason for Delete Rule validated by USAFAS, POC Maj Chapman, 3 Dec 1997
Comments
Changed Source? Y Are There Any (2) Options? Y Any Change to Record? Y
ID# 14 Component Name COPPERHEAD Rule 1 # 107 Rule 2 # 107 Delete Rule? Y
ID# 14 Component Name COPPERHEAD Rule 1 # 107 Rule 2 # 107 Delete Rule? Y Old Color 1 New Color Changed Color?
Old Color 1 New Color Changed Color?
Old Color 1 New Color Changed Color? Parameter 1 # 4 Old Param. 1 ID cloudcover New Param. 1 ID Changed Param. 1?
Old Color 1 New Color Changed Color? Parameter 1 # 4 Old Param. 1 ID cloudcover New Param. 1 ID Changed Param. 1? Parameter 2 # 3 Old Param. 2 ID cloudbase New Param. 2 ID Changed Param. 2?
Old Color 1 New Color Changed Color? Parameter 1 # 4 Old Param. 1 ID cloudcover New Param. 1 ID Changed Param. 1? Parameter 2 # 3 Old Param. 2 ID cloudbase New Param. 2 ID Changed Param. 2? Old Value 1 4 New Value 1 Changed Value 1?
Old Color 1 New Color Changed Color? Parameter 1 # 4 Old Param. 1 ID cloudcover New Param. 1 ID Changed Param. 1? Parameter 2 # 3 Old Param. 2 ID Cloudbase New Param. 2 ID Changed Param. 2? Old Value 1 4 New Value 1 Changed Value 1? Old Value 2 5000 New Value 2 Changed Value 2?
Old Color 1 New Color Changed Color? Parameter 1 # 4 Old Param. 1 ID cloudcover New Param. 1 ID Changed Param. 1? Parameter 2 # 3 Old Param. 2 ID cloudbase New Param. 2 ID Changed Param. 2? Old Value 1 4 New Value 1 Changed Value 1? Old Value 2 5000 New Value 2 Changed Value 2? Old Operator 1 > New Opt. 1 Changed Opt. 1? Old Opt. 2 <= New Opt. 2 Changed Opt. 2 Old Condensed Clouds New Condensed Changed
Old Color 1 New Color Changed Color? Parameter 1 # 4 Old Param. 1 ID cloudcover New Param. 1 ID Changed Param. 1? Parameter 2 # 3 Old Param. 2 ID cloudbase New Param. 2 ID Changed Param. 2? Old Value 1 4 New Value 1 Changed Value 1? Old Value 2 5000 New Value 2 Changed Value 2? Old Operator 1 > New Opt. 1 Changed Opt. 1? Old Opt. 2 = New Opt. 2 Changed Opt. 2 Old Condensed Impact Changed Condensed Impact?
Old Color 1 New Color Changed Color? Parameter 1 # 4 Old Param. 1 ID cloudcover New Param. 1 ID Changed Param. 1? Parameter 2 # 3 Old Param. 2 ID cloudbase New Param. 2 ID Changed Param. 2? Old Value 1 4 New Value 1 Changed Value 1? Old Value 2 5000 New Value 2 Changed Value 2? Old Operator 1 > New Opt. 1 Changed Opt. 1? Old Opt. 2 = New Opt. 2 Changed Opt. 2 Old Condensed Impact Changed Condensed Impact?
Old Color 1 New Color Changed Color? Parameter 1 # 4 Old Param. 1 ID cloudcover New Param. 1 ID Changed Param. 1? Parameter 2 # 3 Old Param. 2 ID cloudbase New Param. 2 ID Changed Param. 2? Old Value 1 4 New Value 1 Changed Value 1? Old Value 2 5000 New Value 2 Changed Value 2? Old Operator 1 > New Opt. 1 Changed Opt. 1? Old Opt. 2 <= New Opt. 2 Changed Opt. 2 Old Condensed Impact Clouds New Condensed Impact Changed Condensed Impact? Old Full Impact Cloud cover > 4/8 with cloud bases <= 5000 ft degrades the overall use of smart munitions.
Old Color 1 New Color Changed Color? Parameter 1 # 4 Old Param. 1 ID cloudcover New Param. 1 ID Changed Param. 1? Parameter 2 # 3 Old Param. 2 ID cloudbase New Param. 2 ID Changed Param. 2? Old Value 1 4 New Value 1 Changed Value 1? Old Value 2 5000 New Value 2 Changed Value 2? Old Operator 1 > New Opt. 1 Changed Opt. 1? Old Opt. 2 <= New Opt. 2 Changed Opt. 2 Old Condensed Impact Clouds New Condensed Impact Changed Condensed Impact? Old Full Impact Cloud cover > 4/8 with cloud bases <= 5000 ft degrades the overall use of smart munitions.
Old Color 1 New Color Changed Color? Parameter 1 # 4 Old Param. 1 ID Cloudcover New Param. 1 ID Changed Param. 1? Parameter 2 # 3 Old Param. 2 ID Cloudbase New Param. 2 ID Changed Param. 2? Old Value 1 4 New Value 1 Changed Value 1? Old Value 2 5000 New Value 2 Changed Value 2? Old Operator 1 > New Opt. 1 Changed Opt. 1? Old Opt. 2 = New Opt. 2 Changed Opt. 2 Old Condensed Impact Clouds New Condensed Impact Changed Condensed Impact? Old Full Impact Cloud cover > 4/8 with cloud bases <= 5000 ft degrades the overall use of smart munitions.
Old Color 1 New Color Changed Color? Parameter 1 # 4 Old Param. 1 ID cloudcover New Param. 1 ID Changed Param. 1? Parameter 2 # 3 Old Param. 2 ID cloudbase New Param. 2 ID Changed Param. 2? Old Value 1 4 New Value 1 Changed Value 1? Old Value 2 5000 New Value 2 Changed Value 2? Old Operator 1 > New Opt. 1 Changed Opt. 1? Old Opt. 2 <= New Opt. 2 Changed Opt. 2 Old Condensed Impact Clouds New Condensed Impact Condensed Impact? Old Full Impact Cloud cover > 4/8 with cloud bases <= 5000 ft degrades the overall use of smart munitions. Changed Full Impact?
Old Color 1 New Color Changed Color? Parameter 1 # 4 Old Param. 1 ID cloudcover New Param. 1 ID Changed Param. 1? Parameter 2 # 3 Old Param. 2 ID cloudbase New Param. 2 ID Changed Param. 2? Old Value 1 4 New Value 1 Changed Value 1? Old Value 2 5000 New Value 2 Changed Value 2? Old Operator 1 > New Opt. 1 Changed Opt. 1? Old Opt. 2 = New Opt. 2 Changed Opt. 2 Old Condensed Impact Clouds New Condensed Impact Changed Condensed Impact Old Full Impact Cloud cover > 4/8 with cloud bases <= 5000 ft degrades the overall use of smart munitions. Old Source (1st Cavalry Division, 1992); New Source/ Reason for Delete Rule: Redundent with rules ID# 12 and 13.
Old Color 1 New Color Changed Color? Parameter 1 # 4 Old Param. 1 ID cloudcover New Param. 1 ID Changed Param. 1? Parameter 2 # 3 Old Param. 2 ID cloudbase New Param. 2 ID Changed Param. 2? Old Value 1 4 New Value 1 Changed Value 1? Old Value 2 5000 New Value 2 Changed Value 2? Old Operator 1 > New Opt. 1 Changed Opt. 1? Old Opt. 2 <= New Opt. 2 Changed Opt. 2 Old Condensed Impact Clouds New Condensed Impact Changed Condensed Impact Condensed Impact Condensed Impact Changed Condensed Impact Changed Condensed Impact Cloud cover > 4/8 with cloud bases <= 5000 ft degrades the overall use of smart munitions. Old Source (1st Cavalry Division, 1992); New Source/ Reason for Delete Rule: Redundent with rules ID# 12 and 13.

ID# 45 0					
ID# 15 Co	omponent Name	DIESEL FUEL		Rule 1 # 7 Rule 2	# Delete Rule? N
Old Color 1	New Color 1				Changed Color? N
Parameter 1 #	22 Old Param. 1 ID te	mperature	New Param. 1 ID	Temperature	Changed Param. 1? N
Parameter 2 #	Old Param. 2 ID	1	New Param. 2 ID		Changed Param. 27
Old Value 1	-25	New Value 1		- 25 F	Changed Value 1? N
Old Value 2		New Value 2			Changed Value 2?
Old Operator 1	<= New Opt. 1 <=	Changed Opt. 17	N Old Opt. 2	New Opt. 2	Changed Opt. 2
Old Condensed Impact	Cold	New Col Impact	ndensed	Extreme Cold	Changed Condensed Impact?
Old Full Impact	Temperatures < -25 F cause	diesel fuel to gell	unless heaters	are used.	
New Full Impact	Temperatures <= -25F requir	e extreme cold te	mperature grade	e fuels	
Old Source (1st	Cavalry Division, 1992);				Changed Full Impact?
<u> </u>	TM 5-6115-600-12, Para 3-1, F	eh 1982			
Reason for Delete	-m 5-0115-000-12, Fala 3-1, F				
Comments					
Changed Source?	? Y	Are There An	y (2) Options?	N Ar	ny Change to Record?
		RE CONTROL SY	STEM	Rule 1 # 51 Rule 2	
Old Color 1	New Color 1				Changed Color? N
Parameter 1 #	7 Old Param. 1 ID	drizzle	lew Param. 1 ID	Drizzle	Changed Param. 1? N
Parameter 2 #	Old Param. 2 ID		New Param. 2 ID		Changed Param. 2?
Old Value 1	Old Param. 2 ID	New Value 1		None	Changed Param. 2? Changed Value 1? Y
Old Value 1 Old Value 2	0	New Value 1 New Value 2			Changed Param. 2? Changed Value 1? Y Changed Value 2?
Old Value 1 Old Value 2 Old Operator 1	0 > New Opt. 1 >	New Value 1 New Value 2 Changed Opt. 1?	N Old Opt. 2	New Opt. 2	Changed Param. 2? Changed Value 1? Y Changed Value 2? Changed Opt. 2
Old Value 1 Old Value 2	0	New Value 1 New Value 2	N Old Opt. 2		Changed Param. 2? Changed Value 1? Y Changed Value 2?
Old Value 1 Old Value 2 Old Operator 1 Old Condensed Impact	0 > New Opt. 1 >	New Value 1 New Value 2 Changed Opt. 1? New Cor	N Old Opt. 2	New Opt. 2 Drizzle	Changed Param. 2? Changed Value 1? Y Changed Value 2? Changed Opt. 2 Changed Condensed Impact?
Old Value 1 Old Value 2 Old Operator 1 Old Condensed Impact Old Full Impact	O New Opt. 1 > Drizzle	New Value 1 New Value 2 Changed Opt. 1? New Cor Impact ret weather) cause	N Old Opt. 2 Indensed	New Opt. 2 Drizzle stem failures if the electron	Changed Param. 27 Changed Value 1? Y Changed Value 2? Changed Opt. 2 Changed Condensed Impact? N onic box is not sealed.
Old Value 1 Old Value 2 Old Operator 1 Old Condensed Impact Old Full Impact New Full Impact	New Opt. 1 > Drizzle Any occurrence of drizzle (w	New Value 1 New Value 2 Changed Opt. 1? New Cor Impact ret weather) cause	N Old Opt. 2 Indensed	New Opt. 2 Drizzle stem failures if the electron	Changed Param. 27 Changed Value 1? Y Changed Value 2? Changed Opt. 2 Changed Condensed Impact? N onic box is not sealed.
Old Value 1 Old Value 2 Old Operator 1 Old Condensed Impact Old Full Impact New Full Impact Old Source (1st	New Opt. 1 > Drizzle Any occurrence of drizzle (w Any occurrence of drizzle (w Cavalry Division, 1992);	New Value 1 New Value 2 Changed Opt. 1? New Cor Impact ret weather) cause	N Old Opt. 2 Indensed es fire control sy	New Opt. 2 Drizzle stem failures if the electron	Changed Param. 2? Changed Value 1? Y Changed Value 2? Changed Opt. 2 Changed Condensed Impact? N onic box is not sealed.
Old Value 1 Old Value 2 Old Operator 1 Old Condensed Impact Old Full Impact New Full Impact Old Source (1st	New Opt. 1 > Drizzle Any occurrence of drizzle (w	New Value 1 New Value 2 Changed Opt. 1? New Cor Impact ret weather) cause	N Old Opt. 2 Indensed es fire control sy	New Opt. 2 Drizzle stem failures if the electron	Changed Param. 2? Changed Value 1? Y Changed Value 2? Changed Opt. 2 Changed Condensed Impact? N onic box is not sealed.
Old Value 1 Old Value 2 Old Operator 1 Old Condensed Impact Old Full Impact New Full Impact Old Source (1st New Source/ Reason for	New Opt. 1 > Drizzle Any occurrence of drizzle (w Any occurrence of drizzle (w Cavalry Division, 1992);	New Value 1 New Value 2 Changed Opt. 1? New Cor Impact ret weather) cause	N Old Opt. 2 Indensed es fire control sy	New Opt. 2 Drizzle stem failures if the electron	Changed Param. 2? Changed Value 1? Y Changed Value 2? Changed Opt. 2 Changed Condensed Impact? N onic box is not sealed.

ID# 17 C						
	omponent Name	FIRE CONTRO	L SYSTEM	Rule 1	# 53 Rul	e 2 # Delete Rule? N
Old Color 1	New Color	1				Changed Color? N
Parameter 1 #	14 Old Param. 1 ID	rain	New Parar	n. 1 ID	Rain	Changed Param. 1? N
Parameter 2 #	Old Param. 2 ID		New Parar	m. 2 ID		Changed Param. 2?
Old Value 1	0	New Va	alue 1	None		Changed Value 1? N
Old Value 2		New Va	alue 2			Changed Value 2?
Old Operator 1	> New Opt. 1	> Changed O	pt. 1? N Old	Opt. 2	New Opt. 2	Changed Opt. 2
Old Condensed Impact	Precipitat	1 .	w Condensed		Rain	Changed Condensed Impact?
Old Full Impact	Any occurrence of rai	in (wet weather) car	uses fire contr	ol system failu	res if the elect	ronic box is not sealed.
New Full Impact	Any occurrence of rai	in (wet weather) ca	uses fire contr	ol system failu	res if the elect	ronic box is not sealed.
						Changed Full Impact? N
<u> </u>	t Cavalry Division, 199					
New Source/ Reason for Delete	Rule validated by USA	FAS, POC SFC Gai	rrett, 3 Dec 199			
Comments						
Changed Source	? Y	Are The	ere Any (2) Opti	ons? N		Any Change to Record? Y
ID# 18 C	omponent Name	LASER	R/D	Rule 1	# 36 Ru	e 2 # Delete Rule? N
Old Color 1	New Color	1		- Traic	" 00 110	Changed Color? N
Parameter 1 #	26 Old Param. 1 ID	visibility	New Para	m. 1 ID	Visibility	Changed Param. 1? N
Parameter 2 #	Old Param. 2 ID		New Para	m 3 ID		
Old Value 1			INCWIAIA	III. Z IDĮ		Changed Param. 2?
	5000	New V		5000 me	ters	Changed Param. 2? Changed Value 1? N
Old Value 2	5000	New V	alue 1		ters	
	5000	New V	alue 1	5000 me	New Opt. 2	Changed Value 1? N
Old Operator 1	New Opt. 1	New V	alue 1	5000 me	New Opt. 2	Changed Value 1? N Changed Value 2? Changed Opt. 2
		New V Changed C	alue 1 alue 2 Dpt. 1? N Old	5000 me		Changed Value 1? N Changed Value 2? Changed Opt. 2
Old Operator 1 Old Condensed	New Opt. 1 Reduced Vis	New V Changed C sibility Ne	alue 1 alue 2 Opt. 1? N Oldew Condensed	Opt. 2	New Opt. 2	Changed Value 1? N Changed Value 2? Changed Opt. 2 Changed
Old Operator 1 Old Condensed Impact Old Full Impact	New Opt. 1 Reduced Vis Any occurrence of vistarget difficult.	New V Changed C sibility Ne Im sibility < 3.1 miles (Palue 1 Palue 2 Popt. 1? N Old Pow Condensed Popact	Opt. 2 Redu	New Opt. 2 ced Visibility nd reflectivene	Changed Value 1? N Changed Value 2? Changed Opt. 2 Changed Condensed Impact? N
Old Operator 1 Old Condensed Impact Old Full Impact	New Opt. 1 Reduced Vis Any occurrence of vistarget difficult. Any occurrence of vistarget vistarget difficult.	New V Changed C sibility Ne Im sibility < 3.1 miles (Palue 1 Palue 2 Popt. 1? N Old Pow Condensed Popact	Opt. 2 Redu	New Opt. 2 ced Visibility nd reflectivene	Changed Value 1? N Changed Value 2? Changed Opt. 2 Changed Condensed Impact? Ses and makes lasing the
Old Operator 1 Old Condensed Impact Old Full Impact New Full Impact	New Opt. 1 Reduced Vis Any occurrence of vistarget difficult. Any occurrence of vistarget vistarget difficult.	New V Changed C sibility Ne Im sibility < 3.1 miles (Palue 1 Palue 2 Popt. 1? N Old Pow Condensed Popact	Opt. 2 Redu	New Opt. 2 ced Visibility nd reflectivene	Changed Value 1? N Changed Value 2? Changed Opt. 2 Changed Condensed Impact? N ess and makes lasing the ess and makes lasing the
Old Operator 1 Old Condensed Impact Old Full Impact New Full Impact	New Opt. 1 Reduced Vis Any occurrence of vis target difficult. Any occurrence of vis target difficult.	New V Changed Consibility Sibility Sibility < 3.1 miles (Sibility <	alue 1 Palue 2 Popt. 1? N Old Pow Condensed Popt. Popt. 19 N Old Pow Condensed Popt. Popt. 19 N Old Popt. 19 N	Opt. 2 Redures the range a	New Opt. 2 ced Visibility nd reflectivene nd reflectivene	Changed Value 1? N Changed Value 2? Changed Opt. 2 Changed Condensed Impact? N ess and makes lasing the ess and makes lasing the
Old Operator 1 Old Condensed Impact Old Full Impact New Full Impact Old Source (1s New Source/ Reason for Delete	New Opt. 1 Reduced Vis Any occurrence of vistarget difficult. Any occurrence of vistarget difficult. At Cavalry Division, 199 "Quantitative vs. Qual	New V Changed Consibility Sibility Sibility < 3.1 miles (Sibilit	alue 1 Palue 2 Ppt. 1? N Old Pw Condensed Pact Pool on reduct Pool	Opt. 2 Reduces the range as the range as	New Opt. 2 ced Visibility nd reflectivene nd reflectivene	Changed Value 1? N Changed Value 2? Changed Opt. 2 Changed Condensed Impact? N ess and makes lasing the Changed Full Impact? N

ID# 19 C	omponent Name	LASER	₹/D	Rule 1 # 45 Rule	e 2 # Delete Rule? N
Old Color 2	New Color	2			Changed Color? N
Parameter 1 #	26 Old Param. 1 ID	visibility	New Param. 1 ID	Visibility	Changed Param. 1? N
Parameter 2 #	Old Param. 2 ID		New Param. 2 ID		Changed Param. 2?
Old Value 1	3100	New Val	ue 1 3	100 meters	Changed Value 1? N
Old Value 2		New Val	ue 2		Changed Value 2?
Old Operator 1	< New Opt. 1	< Changed Op	t. 1? N Old Opt. 2	New Opt. 2	Changed Opt. 2
Old Condensed Impact	Reduced Vi	isibility New Impa	Condensed act	Low Visibility	Changed Condensed Impact?
Old Full Impact	Any occurrence of vithe target very diffic		100 m) greatly reduc	es the range and effec	tiveness and makes lasing
New Full Impact	Any occurrence of vi the target very diffic		100 m) greatly reduc	es the range and effec	tiveness and makes lasing
Old Source (1s	Cavalry Division 19	02).			Changed Full Impact? N
Ŀ	Cavalry Division, 19		ion Aider la Thoras	Difference?!! Dr. D. C.	irkey, Dec 1997, ARL,
		ification not complete		Difference?" Dr. R. Sn	irkey, Dec 1997, ARL,
Comments	Research not comple	ted. Final results will	be used to verify ru	le.	
Changed Source	? <u>Y</u>	Are There	Any (2) Options?	N	Any Change to Record?
ID# 20 C	omponent Name	LASER F	VD	Rule 1 # 110 Rule	e 2 # 110 Delete Rule? N
ID # 20 C	omponent Name New Color	LASER F	VD	Rule 1 # 110 Rule	e 2 # 110 Delete Rule? N Changed Color? N
Old Color 1		1			Changed Color?
Old Color 1 Parameter 1 #	New Color		New Param. 1 ID	Rule 1 # 110 Rule Visibility Rain	Changed Color? N Changed Param. 1? N
Old Color 1 Parameter 1 #	New Color 26 Old Param. 1 ID	1 visibility	New Param. 1 ID New Param. 2 ID	Visibility	Changed Color? N Changed Param. 17 N Changed Param. 27 N
Old Color 1 Parameter 1 # Parameter 2 # Old Value 1	New Color 26 Old Param. 1 ID 14 Old Param. 2 ID	1 visibility rain	New Param. 1 ID New Param. 2 ID ue 1 50	Visibility Rain	Changed Color? Changed Param. 1? N Changed Param. 2? N Changed Value 1? N
Old Color 1 Parameter 1 # Parameter 2 # Old Value 1 Old Value 2	New Color 26 Old Param. 1 ID 14 Old Param. 2 ID 5000 0	visibility rain New Val	New Param. 1 ID New Param. 2 ID ue 1 50 ue 2	Visibility Rain 000 meters None	Changed Color? Changed Param. 17 N Changed Param. 27 N Changed Value 17 N Changed Value 27 Y
Old Color 1 Parameter 1 # Parameter 2 # Old Value 1 Old Value 2 Old Operator 1 Old Condensed	New Color 26 Old Param. 1 ID 14 Old Param. 2 ID 5000 0	visibility rain New Val New Val Changed Op	New Param. 1 ID New Param. 2 ID ue 1 50 ue 2 t. 1? N Old Opt. 2 Condensed Rain	Visibility Rain 000 meters None	Changed Color? Changed Param. 17 N Changed Param. 27 N Changed Value 17 N Changed Value 27 Y Changed Opt. 2 N
Old Color 1 Parameter 1 # Parameter 2 # Old Value 1 Old Value 2 Old Operator 1	New Color 26 Old Param. 1 ID 14 Old Param. 2 ID 5000 0 New Opt. 1 Precipitation and Re	visibility rain New Val New Val Changed Op duced Visibility New	New Param. 1 ID New Param. 2 ID ue 1 50 ue 2 t. 1? N Old Opt. 2 Condensed Rain	Visibility Rain 000 meters None New Opt. 2	Changed Color? Changed Param. 1? N Changed Param. 2? N Changed Value 1? N Changed Value 2? Y Changed Opt. 2 N
Old Color 1 Parameter 1 # Parameter 2 # Old Value 1 Old Value 2 Old Operator 1 Old Condensed Impact	New Color 26 Old Param. 1 ID 14 Old Param. 2 ID 5000 0 New Opt. 1 Precipitation and Re	visibility rain New Val New Val Changed Op duced Visibility New Impa	New Param. 1 ID New Param. 2 ID ue 1 50 ue 2 t. 1? N Old Opt. 2 Condensed Rain	Visibility Rain 000 meters None New Opt. 2	Changed Color? Changed Param. 1? N Changed Param. 2? N Changed Value 1? N Changed Value 2? Y Changed Opt. 2 N ity Changed Condensed Impact?
Old Color 1 Parameter 1 # Parameter 2 # Old Value 1 Old Value 2 Old Operator 1 Old Condensed Impact Old Full Impact	New Color 26 Old Param. 1 ID 14 Old Param. 2 ID 5000 0 New Opt. 1 Precipitation and Re Any occurrence of ralasing the target diffi	visibility rain New Val New Val Changed Op duced Visibility New Impa sinfall and visibility < cult.	New Param. 1 ID New Param. 2 ID ue 1 50 ue 2 t. 1? N Old Opt. 2 Condensed Rain act 3.1 miles (5000 m) re	Visibility Rain 000 meters None New Opt. 2 n and Reduced Visibility educes the range and e	Changed Color? Changed Param. 1? N Changed Param. 2? N Changed Value 1? N Changed Value 2? Y Changed Opt. 2 N ity Changed Condensed Impact?
Old Color 1 Parameter 1 # Parameter 2 # Old Value 1 Old Value 2 Old Operator 1 Old Condensed Impact Old Full Impact	New Color 26 Old Param. 1 ID 14 Old Param. 2 ID 5000 New Opt. 1 Precipitation and Re Any occurrence of ralasing the target diffi	visibility rain New Val New Val Changed Op duced Visibility New Impa sinfall and visibility < cult.	New Param. 1 ID New Param. 2 ID ue 1 50 ue 2 t. 1? N Old Opt. 2 Condensed Rain act 3.1 miles (5000 m) re	Visibility Rain 000 meters None New Opt. 2 n and Reduced Visibility educes the range and e	Changed Color? Changed Param. 1? N Changed Param. 2? N Changed Value 1? N Changed Value 2? Y Changed Opt. 2 N ity Changed Condensed Impact? effectiveness and makes
Old Color 1 Parameter 1 # Parameter 2 # Old Value 1 Old Value 2 Old Operator 1 Old Condensed impact Old Full Impact New Full Impact	New Color 26 Old Param. 1 ID 14 Old Param. 2 ID 5000 New Opt. 1 Precipitation and Re Any occurrence of ralasing the target diffi	visibility rain New Val New Val Changed Op duced Visibility Impa sinfall and visibility < cult. visibility Impa sinfall and visibility < cult.	New Param. 1 ID New Param. 2 ID ue 1 50 ue 2 t. 1? N Old Opt. 2 Condensed Rain act 3.1 miles (5000 m) re	Visibility Rain 000 meters None New Opt. 2 n and Reduced Visibility educes the range and e	Changed Color? Changed Param. 1? N Changed Param. 2? N Changed Value 1? N Changed Value 2? Y Changed Opt. 2 N ity Changed Condensed Impact? Y effectiveness and makes
Old Color 1 Parameter 1 # Parameter 2 # Old Value 1 Old Value 2 Old Operator 1 Old Condensed Impact Old Full Impact New Full Impact Old Source (1st) New Source/	New Color 26 Old Param. 1 ID 14 Old Param. 2 ID 5000 O New Opt. 1 Precipitation and Re Any occurrence of ralasing the target diffi Any occurrence of ralasing the target diffi Cavalry Division, 199 'Quantitative vs. Qua	visibility rain New Val New Val Changed Op duced Visibility Impa sinfall and visibility < cult. sinfall and visibility < cult.	New Param. 1 ID New Param. 2 ID ue 1	Visibility Rain 000 meters None New Opt. 2 n and Reduced Visibility educes the range and e	Changed Color? Changed Param. 17 N Changed Param. 27 N Changed Value 1? N Changed Value 2? Y Changed Opt. 2 N Ity Changed Condensed Impact? Y effectiveness and makes Changed Full Impact? N
Old Color 1 Parameter 1 # Parameter 2 # Old Value 1 Old Value 2 Old Operator 1 Old Condensed Impact Old Full Impact New Full Impact Old Source (1st New Source/ Reason for Delete	New Color 26 Old Param. 1 ID 14 Old Param. 2 ID 5000 0 New Opt. 1 Precipitation and Re Any occurrence of ralasing the target diffi Any occurrence of ralasing the target diffi Cavalry Division, 199 'Quantitative vs. QualwsMR, NM. Final veri	visibility rain New Val New Val Changed Op duced Visibility Impa sinfall and visibility < cult. sinfall and visibility < cult. 92);	New Param. 1 ID New Param. 2 ID ue 1 50 ue 2 t. 1? N Old Opt. 2 Condensed Rain act 3.1 miles (5000 m) re 3.1 miles (5000 m) re ion Aids: Is There a	Visibility Rain 000 meters None New Opt. 2 n and Reduced Visibility educes the range and	Changed Color? Changed Param. 17 N Changed Param. 27 N Changed Value 1? N Changed Value 2? Y Changed Opt. 2 N Ity Changed Condensed Impact? Y effectiveness and makes Changed Full Impact? N

ID# 04 0					
ID# 21 C	omponent Name	LASER R/D		Rule 1 # 111 Rul	e 2 # 111 Delete Rule? N
Old Color 1	New Color 1				Changed Color? N
Parameter 1 #	26 Old Param. 1 ID	visibility	lew Param. 1 ID	Visibility	Changed Param. 1? N
Parameter 2 #	12 Old Param. 2 ID	snow	lew Param. 2 ID	Snow	Changed Param. 2? N
Old Value 1	5000	New Value 1	50	000 meters	Changed Value 1? N
Old Value 2	0	New Value 2		None	Changed Value 2? Y
Old Operator 1	< New Opt. 1 <	Changed Opt. 1?	N Old Opt. 2	> New Opt. 2	> Changed Opt. 2 N
Old Condensed Impact	Snow and Reduced Vi	sibility New Cor Impact	ndensed Sno	w and Reduced Visib	Changed Condensed Impact?
Old Full Impact	Any occurrence of snowfa lasing the target difficult.	all and visibility < 3.1	miles (5000 m)	reduces the range an	d effectiveness and makes
New Full Impact	Any occurrence of snowfalasing the target difficult.	all and visibility < 3.1	miles (5000 m)	reduces the range an	d effectiveness and makes
					Changed Full Impact? N
Old Source (1s	t Cavalry Division, 1992);				
	"Quantitative vs. Qualitativ WSMR, NM. Final verificati		Aids: Is There a	Difference?" Dr. R. SI	hirkey, Dec 1997, ARL,
Comments	Research not completed.	Final results will be	used to verify ru	le.	
Changed Source	? Y	Are There Any	y (2) Options?	Y	Any Change to Record? V
ID# 22 C					
	component Name	LASER R/D		Rule 1 # 113 Ru	le 2 # 113 Delete Rule? N
	omponent Name New Color 1	LASER R/D		Rule 1 # 113 Rul	le 2 # 113 Delete Rule? N Changed Color? N
Old Color 1	New Color 1		New Param. 1 ID	Rule 1 # 113 Rul	Changed Color? N
	New Color 1	visibility	New Param. 1 ID		
Old Color 1 Parameter 1 #	New Color 1 26 Old Param. 1 ID	visibility	lew Param. 2 ID	Visibility	Changed Color? N Changed Param. 1? N
Old Color 1 Parameter 1 # Parameter 2 #	New Color 1 26 Old Param. 1 ID 9 Old Param. 2 ID	visibility N	New Param. 2 ID	Visibility Fog	Changed Color? N Changed Param. 17 N Changed Param. 27 N
Old Color 1 Parameter 1 # Parameter 2 # Old Value 1	New Color 1 26 Old Param. 1 ID 9 Old Param. 2 ID 5000	visibility N fog New Value 1	New Param. 2 ID	Visibility Fog 000 meters	Changed Color? Changed Param. 1? N Changed Param. 2? N Changed Value 1? N
Old Color 1 Parameter 1 # Parameter 2 # Old Value 1 Old Value 2	New Color 1 26 Old Param. 1 ID 9 Old Param. 2 ID 5000	visibility Now Value 1 New Value 2 Changed Opt. 1?	New Param. 2 ID 50 N Old Opt. 2	Visibility Fog 000 meters None	Changed Color? Changed Param. 1? N Changed Param. 2? N Changed Value 1? N Changed Value 2? Y Changed Opt. 2 Y
Old Color 1 Parameter 1 # Parameter 2 # Old Value 1 Old Value 2 Old Operator 1 Old Condensed	New Color 1 26 Old Param. 1 ID 9 Old Param. 2 ID 5000 1 < New Opt. 1 < Fog and Reduced Vision	visibility fog New Value 1 New Value 2 Changed Opt. 1? sibility New Cor Impact d visibility < 3.1 mile	N Old Opt. 2	Visibility Fog 000 meters None New Opt. 2 g and Reduced Visibi	Changed Color? Changed Param. 1? N Changed Param. 2? N Changed Value 1? N Changed Value 2? Y > Changed Opt. 2 Y lity Changed
Old Color 1 Parameter 1 # Parameter 2 # Old Value 1 Old Value 2 Old Operator 1 Old Condensed Impact Old Full Impact	New Color 1 26 Old Param. 1 ID 9 Old Param. 2 ID 5000 1 < New Opt. 1 < Fog and Reduced Vision Any occurrence of fog and series and series are series.	visibility fog New Value 1 New Value 2 Changed Opt. 1? sibility New Corlimpact d visibility < 3.1 mile	N Old Opt. 2 ndensed Fores (5000 m) reduced	Visibility Fog 000 meters None New Opt. 2 g and Reduced Visibility	Changed Color? Changed Param. 1? N Changed Param. 2? N Changed Value 1? N Changed Value 2? Y > Changed Opt. 2 Y lity Changed Condensed Impact? Ckground contrast making
Old Color 1 Parameter 1 # Parameter 2 # Old Value 1 Old Value 2 Old Operator 1 Old Condensed Impact Old Full Impact	New Color 1 26 Old Param. 1 ID 9 Old Param. 2 ID 5000 1 < New Opt. 1 < Fog and Reduced Vis Any occurrence of fog an target acquisition difficult Any occurrence of fog an	visibility fog New Value 1 New Value 2 Changed Opt. 1? sibility New Corlimpact d visibility < 3.1 mile	N Old Opt. 2 ndensed Fores (5000 m) reduced	Visibility Fog 000 meters None New Opt. 2 g and Reduced Visibility	Changed Color? Changed Param. 1? N Changed Param. 2? N Changed Value 1? N Changed Value 2? Y > Changed Opt. 2 Y lity Changed Condensed Impact? N ckground contrast making
Old Color 1 Parameter 1 # Parameter 2 # Old Value 1 Old Value 2 Old Operator 1 Old Condensed Impact Old Full Impact New Full Impact	New Color 1 26 Old Param. 1 ID 9 Old Param. 2 ID 5000 1 < New Opt. 1 < Fog and Reduced Vis Any occurrence of fog an target acquisition difficult Any occurrence of fog an	visibility fog New Value 1 New Value 2 Changed Opt. 1? sibility New Corlimpact d visibility < 3.1 mile	N Old Opt. 2 ndensed Fores (5000 m) reduced	Visibility Fog 000 meters None New Opt. 2 g and Reduced Visibility	Changed Color? Changed Param. 1? N Changed Param. 2? N Changed Value 1? N Changed Value 2? Y > Changed Opt. 2 Y lity Changed Condensed Impact? N ckground contrast making
Old Color 1 Parameter 1 # Parameter 2 # Old Value 1 Old Value 2 Old Operator 1 Old Condensed Impact Old Full Impact New Full Impact	New Color 1 26 Old Param. 1 ID 9 Old Param. 2 ID 5000 1 < New Opt. 1 < Fog and Reduced Vis Any occurrence of fog an target acquisition difficult Any occurrence of fog an target acquisition difficult	visibility fog New Value 1 New Value 2 Changed Opt. 1? sibility New Corlimpact d visibility < 3.1 mile t. d visibility < 3.1 mile	lew Param. 2 ID 50 N Old Opt. 2 Indensed Formula (See (5000 m) reduces (Visibility Fog 000 meters None New Opt. 2 g and Reduced Visibilities the target and backers	Changed Color? Changed Param. 1? N Changed Param. 2? N Changed Value 1? N Changed Value 2? Y > Changed Opt. 2 Y lity Changed Condensed Impact? N ckground contrast making Changed Full Impact? N
Old Color 1 Parameter 1 # Parameter 2 # Old Value 1 Old Value 2 Old Operator 1 Old Condensed Impact Old Full Impact New Full Impact Old Source (1s New Source/Reason for	New Color 1 26 Old Param. 1 ID 5000 1	visibility fog New Value 1 New Value 2 Changed Opt. 1? sibility New Con Impact d visibility < 3.1 mile t. d visibility < 3.1 mile t.	N Old Opt. 2 Indensed Formula (South Parameter) Post (5000 m) reduces (500	Visibility Fog 000 meters None = New Opt. 2 g and Reduced Visibility ces the target and backes the target and backets the	Changed Color? Changed Param. 1? N Changed Param. 2? N Changed Value 1? N Changed Value 2? Y > Changed Opt. 2 Y lity Changed Condensed Impact? N ckground contrast making Changed Full Impact? N

ID# 23 C	omponent Nam	ie		LASER R/D)	Rul	e 1 # 114	Rule 2 #	# 114 D	elete Rule? N
Old Color 1	New Co	olor	1						Changed	Color? N
Parameter 1 #	26 Old Para	m. 1 ID [visib	lity	New Param	. 1 ID	Visibilit	у	Change	ed Param. 17 N
Parameter 2 #	7 Old Para	m. 2 ID [driz	zle	New Param	. 2 ID	Drizzle		Change	ed Param. 2? N
Old Value 1	500	0		New Value	1	5000 :	meters		Change	ed Value 1? N
Old Value 2	1			New Value	2	Li	ght		Change	ed Value 2? Y
Old Operator 1	< New (Opt. 1	< Cha	inged Opt.	1? N Old C	Opt. 2 >	New Opt	. 2	> Chan	nged Opt. 2 N
Old Condensed Impact	Drizzle an	d Reduc	ed Visibility	New C Impact	ondensed	Drizzle a	nd Reduced \	/isibility	Changed Condense	ed Impact?
Old Full Impact	Drizzle > ligh makes lasing			lity < 3.1 m	iles (5000 m) reduces	the ranging o	apability	and effect	tiveness and
New Full Impact	Drizzle > ligh makes lasing			lity < 3.1 m	iles (5000 m) reduces	the ranging c	apability	and effect	iveness and
Old Source (1s	t Cavalry Divis	ion 199	21.						Changed F	ull Impact? N
New Source/	"Quantitative			al Dagisia	n Aide: le Th	oro o Diffo	ronee2" Dr. [Chieko	. Doc 400	7 ADI
	WSMR, NM. Fi				ii Alus. Is Tii	iere a Dille	rencer br.	K. SHIFKE	y, Dec 1997	/, ARL,
Comments	Research not	complete	ed. Final res	ults will be	e used to ve	rify rule.				
Changed Source	? Y		,	Are There A	ny (2) Option	ns? Y		An	y Change to	Record? V
	_									
ID# 24 C	omponent Nam	e	ı	ASER R/D		Rule	1 # 119	Rule 2#	119 De	elete Rule? N
ID # 24 C	omponent Nam		2	ASER R/D		Rule	e 1 # 119	Rule 2#	119 De	
Old Color 2		lor			New Param.		e 1 # 119 Visibility		Changed (
Old Color 2	New Co	lor [n. 1 ID [2	lity		1 ID			Changed C	Color? N
Old Color 2 Parameter 1 #	New Co	lor m. 1 ID _ n. 2 ID _	visibi	lity	New Param.	1 ID	Visibility Fog		Changed Change	Color? N d Param. 1? N
Old Color 2 Parameter 1 # Parameter 2 #	New Co 26 Old Parai 9 Old Parai	lor m. 1 ID _ n. 2 ID _	visibi	lity	New Param. New Param.	1 ID	Visibility Fog neters		Changed Changed	Color? N d Param. 1? N d Param. 2? N
Old Color 2 Parameter 1 # Parameter 2 # Old Value 1	New Co 26 Old Parai 9 Old Parai 310	lor	visibi	lity New Value	New Param. New Param. 1	1 ID 2 ID 3100 m	Visibility Fog neters		Changed Changed Changed Changed Changed	Color? N d Param. 1? N d Param. 2? N d Value 1? N
Old Color 2 Parameter 1 # Parameter 2 # Old Value 1 Old Value 2	New Co 26 Old Parai 9 Old Parai 310 1	on. 1 ID [n. 2	visibi	New Value New Value	New Param. New Param. 1 2 R N Old Oundensed	1 ID 2 ID 3100 n No	Visibility Fog neters	2 >	Changed Changed Changed Changed Changed Changed Changed	Color? N d Param. 1? N d Param. 2? N d Value 1? N d Value 2? Y ged Opt. 2 Y
Old Color 2 Parameter 1 # Parameter 2 # Old Value 1 Old Value 2 Old Operator 1 Old Condensed	New Co 26 Old Parai 9 Old Parai 310 1	ior	visibi fog Cha I Visibility	New Value New Value nged Opt. 1 New Co	New Param. New Param. 1 2 7 N Old Oundensed	1 ID 2 ID 3100 n No opt. 2 = Fog a	Visibility Fog neters ne New Opt. nd Low Visib	2 >	Changed Changed Changed Changed Changed Changed Condense	Color? N d Param. 1? N d Param. 2? N d Value 1? N d Value 2? Y ged Opt. 2 Y ed Impact? Y
Old Color 2 Parameter 1 # Parameter 2 # Old Value 1 Old Value 2 Old Operator 1 Old Condensed impact	New Co 26 Old Parai 9 Old Parai 310 1 < New Co Fog and Any occurren makes lasing	n. 1 ID n. 2 ID 0 Opt. 1 Reduced the target ce of fog	visibil fog < Cha I Visibility and visibility and visibility and visibility	New Value New Value nged Opt. 1 New Co Impact ty < 1.9 mil	New Param. New Param. New Param. New Param. New Param. Now Param. New Pa	1 ID 2 ID 3100 n No ppt. 2 = Fog a	Visibility Fog neters ne New Opt. nd Low Visib	2 >	Changed Changed Changed Changed Changed Changed Changed Condense	Color? N d Param. 1? N d Param. 2? N d Value 1? N d Value 2? Y ged Opt. 2 Y ed Impact? Y
Old Color 2 Parameter 1 # Parameter 2 # Old Value 1 Old Value 2 Old Operator 1 Old Condensed Impact Old Full Impact New Full Impact	New Co 26 Old Parai 310 1 < New Co Fog and Any occurren makes lasing Any occurren makes lasing	n. 1 ID 0 n. 2 ID 0 Reduced ce of fog the targe	visibi fog Cha Visibility and visibility and visibility and visibility and visibility and visibility and visibility	New Value New Value nged Opt. 1 New Co Impact ty < 1.9 mil	New Param. New Param. New Param. New Param. New Param. Now Param. New Pa	1 ID 2 ID 3100 n No ppt. 2 = Fog a	Visibility Fog neters ne New Opt. nd Low Visib	2 > pility	Changed Changed Changed Changed Changed Changed Changed Condense	Color? N d Param. 1? N d Param. 2? N d Value 1? N d Value 2? Y ged Opt. 2 Y ed Impact? Y ss and
Old Color 2 Parameter 1 # Parameter 2 # Old Value 1 Old Value 2 Old Operator 1 Old Condensed Impact Old Full Impact New Full Impact Old Source (1st New Source/	New Co 26 Old Parai 9 Old Parai 310 1 New Co Fog and Any occurren makes lasing	n. 1 ID [n. 2 ID [0 Opt. 1 [Reduced the target the target tion, 1992 rs. Qualif	visibi fog Cha Visibility and visibility and visibility and visibility tet very difficult and visibility	New Value New Value nged Opt. 1 New Co Impact ty < 1.9 mil ult. ty < 1.9 mil	New Param. New Pa	1 ID 2 ID 3100 n No Opt. 2 = Fog a greatly rec	Visibility Fog neters ne New Opt. nd Low Visib	2 > sility	Changed Changed Changed Changed Changed Changed Changed Condenses effectivenes Changed Fo	Color? N d Param. 1? N d Param. 2? N d Value 1? N d Value 2? Y ged Opt. 2 Y ed Impact? Y ss and ull Impact? N
Old Color 2 Parameter 1 # Parameter 2 # Old Value 1 Old Value 2 Old Operator 1 Old Condensed impact Old Full Impact New Full Impact Old Source (1st New Source/ Reason for Delete	New Co 26 Old Parai 310 1 New Co Fog and Any occurren makes lasing Any occurren makes lasing Cavalry Divis	n. 1 ID n. 2 ID O O O O O O O O O O O O O O O O O O O	visibility and visibility	New Value New Value nged Opt. 1 New Co Impact ty < 1.9 mil ult. ty < 1.9 mil ult.	New Param. New Param. 1 2 R N Old Opndensed les (3100 m) les (3100 m)	1 ID 2 ID 3100 n No ppt. 2 = Fog a greatly received	Visibility Fog neters ne New Opt. nd Low Visib	2 > sility	Changed Changed Changed Changed Changed Changed Changed Condenses effectivenes Changed Fo	Color? N d Param. 1? N d Param. 2? N d Value 1? N d Value 2? Y ged Opt. 2 Y ed Impact? Y ss and ull Impact? N

ID# 25 C					
1D# 25 C	omponent Name	LASER R/D		Rule 1 # 120 Rul	le 2 # 120 Delete Rule? N
Old Color 2	New Color	2			Changed Color? N
Parameter 1 #	26 Old Param. 1 ID	visibility	New Param. 1 ID	Visibility	Changed Param. 1? N
Parameter 2 #	17 Old Param. 2 ID	snow	New Param. 2 ID	Snow	Changed Param. 2? N
Old Value 1	3100	New Value	1 3	100 meters	Changed Value 1? N
Old Value 2	1	New Value	2	Light	Changed Value 2? Y
Old Operator 1	< New Opt. 1	< Changed Opt. 1	1? N Old Opt. 2	> New Opt. 2	> Changed Opt. 2 N
Old Condensed Impact	Snow and Reduce	ed Visibility New C		now and Low Visibilit	Changed Condensed Impact?
Old Full Impact	Snow > light intensity lasing the target very		es (3100 m) great	ly reduces the range a	and effectiveness and makes
New Full Impact	Snow > light intensity lasing the target very		es (3100 m) great	ly reduces the range a	and effectiveness and makes
					Changed Full Impact? N
Old Source (1s	t Cavalry Division, 199	92);			
New Source/ Reason for Delete	"Quantitative vs. Qual WSMR, NM. Final veri	litative Tactical Decision fication not complete.	n Aids: Is There a	Difference?" Dr. R. Si	hirkey, Dec 1997, ARL,
Comments	Research not complet	ted. Final results will be	e used to verify ru	ıle.	
	_		, a		
Changed Source	? Y	Are There A	ny (2) Options?	Y	Any Change to Record?
ID# 26 C	omponent Name	LASER R/D		Rule 1 # 122 Rul	le 2 # 122 Delete Rule? N
ID# 26 C	omponent Name New Color	LASER R/D		Rule 1 # 122 Rul	le 2 # 122 Delete Rule? N Changed Color? N
			New Param. 1 ID	Rule 1 # 122 Rul	
Old Color 2	New Color	2		J	Changed Color? N
Old Color 2 Parameter 1 #	New Color 26 Old Param. 1 ID	2 visibility	New Param. 1 ID	Visibility	Changed Color? N Changed Param. 1? N
Old Color 2 Parameter 1 # Parameter 2 #	New Color 26 Old Param. 1 ID 14 Old Param. 2 ID	visibility rain	New Param. 1 ID New Param. 2 ID 1 3	Visibility Rain	Changed Color? N Changed Param. 1? N Changed Param. 2? N
Old Color 2 Parameter 1 # Parameter 2 # Old Value 1	New Color 26 Old Param. 1 ID 14 Old Param. 2 ID 3100	visibility rain New Value	New Param. 1 ID New Param. 2 ID 1 3 2	Visibility Rain 100 meters	Changed Color? Changed Param. 1? N Changed Param. 2? N Changed Value 1? N
Old Color 2 Parameter 1 # Parameter 2 # Old Value 1 Old Value 2	New Color 26 Old Param. 1 ID 14 Old Param. 2 ID 3100 2	visibility rain New Value New Value Changed Opt.	New Param. 1 ID New Param. 2 ID 1 3 2 1? N Old Opt. 2 ondensed Hea	Visibility Rain 100 meters Moderate	Changed Color? Changed Param. 1? N Changed Param. 2? N Changed Value 1? N Changed Value 2? Y > Changed Opt. 2 N
Old Color 2 Parameter 1 # Parameter 2 # Old Value 1 Old Value 2 Old Operator 1 Old Condensed	New Color 26 Old Param. 1 ID 14 Old Param. 2 ID 3100 2 < New Opt. 1 Precipitation and Recommendary	visibility rain New Value New Value Changed Opt. duced Visibility New C Impact nsity and visibility < 1.9	New Param. 1 ID New Param. 2 ID 1 3 2 1? N Old Opt. 2 ondensed Hear	Visibility Rain 100 meters Moderate > New Opt. 2 vy Rain and Low Visik	Changed Color? Changed Param. 1? N Changed Param. 2? N Changed Value 1? N Changed Value 2? Y Changed Opt. 2 N
Old Color 2 Parameter 1 # Parameter 2 # Old Value 1 Old Value 2 Old Operator 1 Old Condensed Impact Old Full Impact	New Color 26 Old Param. 1 ID 14 Old Param. 2 ID 3100 2 < New Opt. 1 Precipitation and Recommakes lasing the targetal.	visibility rain New Value New Value Changed Opt. duced Visibility New C Impact nsity and visibility < 1.9 get very difficult.	New Param. 1 ID New Param. 2 ID 1 3 2 17 N Old Opt. 2 ondensed Head miles (3100 m) g	Visibility Rain 100 meters Moderate > New Opt. 2 vy Rain and Low Visib reatly reduces the ran	Changed Color? Changed Param. 1? N Changed Param. 2? N Changed Value 1? N Changed Value 2? Y > Changed Opt. 2 N Changed Condensed Impact?
Old Color 2 Parameter 1 # Parameter 2 # Old Value 1 Old Value 2 Old Operator 1 Old Condensed Impact Old Full Impact	New Color 26 Old Param. 1 ID 14 Old Param. 2 ID 3100 2 < New Opt. 1 Precipitation and Received Paramakes lasing the targent Pa	visibility rain New Value New Value Changed Opt. duced Visibility New C Impact nsity and visibility < 1.9 get very difficult.	New Param. 1 ID New Param. 2 ID 1 3 2 17 N Old Opt. 2 ondensed Head miles (3100 m) g	Visibility Rain 100 meters Moderate > New Opt. 2 vy Rain and Low Visib reatly reduces the ran	Changed Color? Changed Param. 1? N Changed Param. 2? N Changed Value 1? N Changed Value 2? Y Changed Opt. 2 N Changed Condensed Impact? The state of the s
Old Color 2 Parameter 1 # Parameter 2 # Old Value 1 Old Value 2 Old Operator 1 Old Condensed Impact Old Full Impact New Full Impact	New Color 26 Old Param. 1 ID 14 Old Param. 2 ID 3100 2 < New Opt. 1 Precipitation and Received Paramakes lasing the targent Pa	visibility rain New Value New Value Changed Opt. duced Visibility New C Impact sity and visibility < 1.9 get very difficult. spet very difficult.	New Param. 1 ID New Param. 2 ID 1 3 2 17 N Old Opt. 2 ondensed Head miles (3100 m) g	Visibility Rain 100 meters Moderate > New Opt. 2 vy Rain and Low Visib reatly reduces the ran	Changed Color? Changed Param. 1? N Changed Param. 2? N Changed Value 1? N Changed Value 2? Y > Changed Opt. 2 N Dility Changed Condensed Impact? The property of the parameters of the pa
Old Color 2 Parameter 1 # Parameter 2 # Old Value 1 Old Value 2 Old Operator 1 Old Condensed Impact Old Full Impact New Full Impact Old Source (1s	New Color 26 Old Param. 1 ID 14 Old Param. 2 ID 3100 2 < New Opt. 1 Precipitation and Receive interpretation in the makes lasing the target to Cavalry Division, 199 "Quantitative vs. Quality in the color of the cavalry Division, 199 "Quantitative vs. Quality in the cavalry Division, 199 "Quantity Division, 199 "Quant	visibility rain New Value New Value Changed Opt. duced Visibility New C Impact sity and visibility < 1.9 get very difficult. spet very difficult.	New Param. 1 ID New Param. 2 ID 1	Visibility Rain 100 meters Moderate > New Opt. 2 vy Rain and Low Visib reatly reduces the ran	Changed Color? Changed Param. 1? N Changed Param. 2? N Changed Value 1? N Changed Value 2? Y Changed Opt. 2 N oility Changed Condensed Impact? Y age and effectiveness and Changed Full Impact? N
Old Color 2 Parameter 1 # Parameter 2 # Old Value 1 Old Value 2 Old Operator 1 Old Condensed Impact Old Full Impact New Full Impact Old Source (1s New Source/ Reason for Delete	New Color 26 Old Param. 1 ID 3100 2 < New Opt. 1 Precipitation and Receipitation and Receipitatio	visibility rain New Value New Value Changed Opt. duced Visibility New C Impact nsity and visibility < 1.9 get very difficult. spet very difficult. get very difficult.	New Param. 1 ID New Param. 2 ID 1	Visibility Rain 100 meters Moderate > New Opt. 2 vy Rain and Low Visib reatly reduces the ran reatly reduces the ran Difference?" Dr. R. S.	Changed Color? Changed Param. 1? N Changed Param. 2? N Changed Value 1? N Changed Value 2? Y Changed Opt. 2 N oility Changed Condensed Impact? Y age and effectiveness and Changed Full Impact? N

ID# 27 C	omponent Name	LASER R/D	Rule 1 # 123 Rule 2	# 123 Delete Rule? N
Old Color 2	New Color 2			Changed Color? N
Parameter 1 #	26 Old Param. 1 ID	visibility New Param.	1 ID Visibility	Changed Param. 1? N
Parameter 2 #	7 Old Param. 2 ID	drizzle New Param.	2 ID Drizzle	Changed Param. 2? N
Old Value 1	3100	New Value 1	3100 meters	Changed Value 1? N
Old Value 2	1	New Value 2	Light	Changed Value 2? Y
Old Operator 1	< New Opt. 1 <	Changed Opt. 1? N Old O	pt. 2 > New Opt. 2	> Changed Opt. 2 N
Old Condensed Impact	Drizzle and Reduced Vis	ibility New Condensed Impact	Drizzle and Low Visibility	Changed Condensed Impact?
Old Full Impact		visibility < 1.9 miles (3100 m)	greatly reduces the range and eturns.	effectiveness and
New Full Impact		visibility < 1.9 miles (3100 m) difficult. Tend to get multi re	greatly reduces the range and eturns.	effectiveness and
Old Source (1s	t Cavalry Division, 1992);			Changed Full Impact? N
New Source/		Tactical Decision Aids: Is Th	ere a Difference?" Dr. R. Shirke	v Dec 1997 ARI
Reason for Delete	WSMR, NM. Final verification		510 4 B 1110101100 . B 11 11 G 1111110	y, 500 1007, 7.1.2,
Comments	Research not completed. Fi	nal results will be used to ver	ify rule.	
Changed Source	? N	Are There Any (2) Option	s? Y An	y Change to Record?
ID# 28 C	omponent Name MLF	S WET CELL BATTERIES	Rule 1 # 13 Rule 2 #	Delete Rule? N
Old Color 1	New Color 1			Changed Color? N
Parameter 1 #	22 Old Param. 1 ID te	mperature New Param.	1 ID Temperature	Changed Param. 1? N
Parameter 2 #	Old Param. 2 ID	New Param.	2 ID	Changed Param. 2?
Old Value 1	32	New Value 1	32 F	Changed Value 1? N
Old Value 2		New Value 2		Changed Value 2?
Old Operator 1	<= New Opt. 1 <=	Changed Opt. 1? N Old O	pt. 2 New Opt. 2	Changed Opt. 2
Old Condensed Impact	Cold	New Condensed Impact	Cold	Changed Condensed Impact?
Old Full Impact	Temperatures <= 32 F make fewer launches.	it difficult for batterires to ch	arge and therefore causes the	launcher to support
New Full Impact	Temperatures <= 32 F make fewer launches.	it difficult for batterires to ch	arge and therefore causes the	launcher to support
Old Source (1s	t Cavalry Division, 1992);			Changed Full Impact? N
· ·	TM 9-6140-200-14, Para 4-8, .	lul 1989		J
Comments				
Changed Source	? Y	Are There Any (2) Options	s? N An	y Change to Record? Y

ID# 29 Component Name MLRS WET CELL BATTERIES Rule 1 # 22 Rule 2 # Delete Rule? N
Old Color 1 New Color 1 Changed Color? N
Parameter 1 # 22 Old Param. 1 ID temperature New Param. 1 ID Temperature Changed Param. 1? N
Parameter 2 # Old Param. 2 ID New Param. 2 ID Changed Param. 2?
Old Value 1 90 New Value 1 100 F Changed Value 1? Y
Old Value 2 Changed Value 2?
Old Operator 1 >= New Opt. 1 >= Changed Opt. 1? N Old Opt. 2 New Opt. 2 Changed Opt. 2
Old Condensed Impact New Condensed Impact Very Hot Changed Condensed Impact?
Old Full Impact Temperatures >= 90 F cause battery failures that impact on the Loader Launcher Module and therefore the MLRS can support fewer launches.
New Full Impact Temperatures >= 100 F cause battery failures that impact on loader launcher module causing fewer MLRS launches.
Changed Full Impact? Y
Old Source (1st Cavalry Division, 1992);
New Source/ Reason for Delete TM 9-6140-200-14, Para 4-8, Jul 1989
Comments
Changed Source? Y Are There Any (2) Options? N Any Change to Record? Y
And there may (2) options: It
ID# 30 Component Name MOPP IV OPERATIONS Rule 1 # 52 Rule 2 # Delete Rule? N
Old Color 1 New Color 1 Changed Color? N
Parameter 1 # 14 Old Param. 1 ID rain New Param. 1 ID Rain Changed Param. 1? N
Parameter 2 # Old Param. 2 ID New Param. 2 ID Changed Param. 2?
Old Value 1 1 New Value 1 Light Changed Value 1?
Old Value 2 New Value 2 Changed Value 2?
Old Operator 1 > New Opt. 1 > Changed Opt. 1? N Old Opt. 2 New Opt. 2 Changed Opt. 2
Old Condensed Impact New Condensed Impact Changed Condensed Impact Y
Old Full Impact Protective clothing looses effectiveness. Precipitation creates moist conditions which can clog protective mask filters/canisters. Decon Kit powder may wash off treated skin.
New Full Impact Protective clothing loses effectiveness. Precipitation creates moist conditions which can clog protective mask filters/canisters.
Channel Full Impact V
Changed Full Impact? Y Old Source (1st Cavalry Division, 1992);
New Source/ Reason for Delete FM 3-7, Table 3-2, page 3-3, Sep 1994
Comments

ID# 31 C	omponent Name MOPP IV OPERATIONS Rule 1 # 54 Rule 2 # Delete Rule? N
Old Color 2	New Color 2 Changed Color? N
Parameter 1 #	14 Old Param. 1 ID rain New Param. 1 ID Rain Changed Param. 1 7 N
Parameter 2 #	Old Param. 2 ID New Param. 2 ID Changed Param. 2?
Old Value 1	2 New Value 1 Moderate Changed Value 1? Y
Old Value 2	New Value 2 Changed Value 2?
Old Operator 1	> New Opt. 1 > Changed Opt. 1? N Old Opt. 2 New Opt. 2 Changed Opt. 2
Old Condensed Impact	Precipitation New Condensed Impact Heavy Rain Condensed Impact?
Old Full Impact	Protective clothing is ineffective when wet. Moisture clogs protective mask filters/canisters. Decon Kit powder may wash off treated skin.
New Full Impact	Protective clothing is ineffective when wet. Moisture clogs protective mask filters/canisters
	Changed Full Impact? Y
Old Source (1st	t Cavalry Division, 1992);
New Source/ Reason for Delete	FM 3-7, Page 3-2, 3-3, Sep 1994
Comments	
Changed Source	? Y Are There Any (2) Options? N Any Change to Record? Y
	omponent Name MOPP IV OPERATIONS Rule 1 # 145 Rule 2 # 145 Delete Rule? N
Old Color 1	New Color 1 Changed Color? N
	22 Old Param. 1 ID temperature New Param. 1 ID Temperature Changed Param. 1? N 15 Old Param. 2 ID relativehumidity New Param. 2 ID Delete Relative Humidity Changed Param. 2? Y
	15 Old Param. 2 ID relativehumidity New Param. 2 ID Delete Relative Humidity Changed Param. 2? Y 70 New Value 1 81 F Changed Value 1? Y
Old Value 1 Old Value 2	50 New Value 2 Delete Changed Value 2? Y
Old Value 2 Old Operator 1	> New Opt. 1 > Changed Opt. 1? N Old Opt. 2 > New Opt. 2 Delete Changed Opt. 2 Y
	Temperature and Polative Humidity New Condensed Temperature Changed
Impact	Impact Temperature and Relative Humanity New Condensed Pemperature Condensed Impact Y
	Combination of temperatures > 70 F and relative humidity > 50% while operating under MOPP IV conditions degrades soldier effectiveness and limits activities which can be performed.
	Temperatures > 81 F, while operating under MOPP IV, conditions degrade soldier effectiveness and limit activities which can be performed.
	Changed Full Impact? Y
Old Source (1st	Cavalry Division, 1992);
New Source/ Reason for Delete	FM 3-7, Table 3-6, Sep 1994
Comments	Reference to Relative Humidity deleted since the use of temperature alone is more representative.
Changed Source	? Y Are There Any (2) Options? Y Any Change to Record? Y

ID# 33 Component Name MOPP IV OPERATIONS Rule 1 # 146 Rule	2 # 146 Delete Rule? N
Old Color 2 New Color 2	Changed Color? N
Parameter 1 # 22 Old Param. 1 ID temperature New Param. 1 ID Temperature	Changed Param. 1? N
Parameter 2 # 15 Old Param. 2 ID relativehumidity New Param. 2 ID Delete Relative Humid	dity Changed Param. 27 N
Old Value 1 85 New Value 1 88 F	Changed Value 1? Y
Old Value 2 70 New Value 2 Delete	Changed Value 2? Y
Old Operator 1 > New Opt. 1 > Changed Opt. 1? N Old Opt. 2 > New Opt. 2	Delete Changed Opt. 2 Y
Old Condensed Impact Temperature and Relative Humidity Impact New Condensed Impact Hot	Changed Condensed Impact?
Old Full Impact Combination of temperatures > 85 F and relative humidity > 70% while operating und severly degrades soldier effectiveness and limits activities which can be performed.	er MOPP IV conditions
New Full Impact Temperatures > 88 F, while operating under MOPP IV, conditions eliminate feasible w	vork/rest cycles.
	Changed Full Impact? Y
Old Source (1st Cavalry Division, 1992);	
New Source/ Reason for Delete FM 3-7, Table 3-6, Sep 1994	
Comments Reference to Relative Humidity deleted since the use of temperature alone is more rep	presentative.
Changed Source? Y Are There Any (2) Options? Y	Any Change to Record? Y
ID # 24 Component Name NI CAD PATTERY Pule 1 # 24 Pule	2 # Dolote Pule? N
ID # 34 Component Name NI CAD BATTERY Rule 1 # 24 Rule	
Old Color 1 New Color 1	Changed Color? N
Old Color 1 New Color 1 Parameter 1 # 22 Old Param. 1 ID temperature New Param. 1 ID Temperature	Changed Color? N Changed Param. 1? N
Old Color 1 New Color 1 Parameter 1 # 22 Old Param. 1 ID temperature New Param. 1 ID Temperature Parameter 2 # Old Param. 2 ID New Param. 2 ID	Changed Color? N Changed Param. 1? N Changed Param. 2?
Old Color 1 New Color 1 Parameter 1 # 22 Old Param. 1 ID temperature New Param. 1 ID Temperature Parameter 2 # Old Param. 2 ID New Param. 2 ID Old Value 1 100 New Value 1 100 F	Changed Color? Changed Param. 1? N Changed Param. 2? Changed Value 1? N
Old Color 1 New Color 1 Parameter 1 # 22 Old Param. 1 ID temperature New Param. 1 ID Temperature Parameter 2 # Old Param. 2 ID New Param. 2 ID Old Value 1 100 New Value 1 100 F Old Value 2 New Value 2	Changed Color? N Changed Param. 1? N Changed Param. 2? Changed Value 1? N Changed Value 2?
Old Color 1 New Color 1 Parameter 1 # 22 Old Param. 1 ID temperature New Param. 1 ID Temperature Parameter 2 # Old Param. 2 ID New Param. 2 ID Old Value 1 100 F Old Value 1 100 F New Value 2 New Value 2 Old Operator 1 >= New Opt. 1 New Opt. 2 New Opt. 3 New Opt. 3	Changed Color? Changed Param. 1? N Changed Param. 2? Changed Value 1? N Changed Value 2? Changed Opt. 2
Old Color 1 New Color 1 Parameter 1 # 22 Old Param. 1 ID temperature New Param. 1 ID Temperature Parameter 2 # Old Param. 2 ID New Param. 2 ID Old Value 1 100 New Value 1 100 F Old Value 2 New Value 2	Changed Color? N Changed Param. 1? N Changed Param. 2? Changed Value 1? N Changed Value 2?
Old Color 1 New Color 1 Parameter 1 # 22 Old Param. 1 ID temperature New Param. 1 ID Temperature Parameter 2 # Old Param. 2 ID New Param. 2 ID Old Value 1 100 F Old Value 1 100 F New Value 1 100 F Old Value 2 New Value 2 New Value 2 Old Operator 1 >= New Opt. 1 >= Changed Opt. 1? N Old Opt. 2 New Opt. 2 Old Condensed Hot New Condensed Very Hot	Changed Color? Changed Param. 1? N Changed Param. 2? Changed Value 1? N Changed Value 2? Changed Opt. 2 Changed
Old Color 1 New Color 1 Parameter 1 # 22 Old Param. 1 ID temperature New Param. 1 ID Temperature Parameter 2 # Old Param. 2 ID New Param. 2 ID Old Value 1 100 New Value 1 100 F Old Value 2 New Opt. 1 >= Changed Opt. 1? N Old Opt. 2 New Opt. 2 Old Condensed Impact Very Hot	Changed Color? Changed Param. 1? N Changed Param. 2? Changed Value 1? N Changed Value 2? Changed Opt. 2 Changed
Old Color 1 New Color 1 Parameter 1 # 22 Old Param. 1 ID temperature New Param. 1 ID Temperature Parameter 2 # Old Param. 2 ID Old Value 1 100 New Value 1 100 F Old Value 2 New Value 2 Old Operator 1 >= New Opt. 1 >= Changed Opt. 1? N Old Opt. 2 New Opt. 2 Old Condensed Impact Old Full Impact Temperatures >= 100 F have a tendancy to overheat the battery.	Changed Color? Changed Param. 1? N Changed Param. 2? Changed Value 1? N Changed Value 2? Changed Opt. 2 Changed
Old Color 1 New Color 1 Parameter 1 # 22 Old Param. 1 ID temperature New Param. 1 ID Temperature Parameter 2 # Old Param. 2 ID Old Value 1 100 New Value 1 100 F Old Value 2 New Value 2 Old Operator 1 >= New Opt. 1 >= Changed Opt. 1? N Old Opt. 2 New Opt. 2 Old Condensed Impact Old Full Impact Temperatures >= 100 F have a tendancy to overheat the battery.	Changed Color? Changed Param. 1? N Changed Param. 2? Changed Value 1? N Changed Value 2? Changed Opt. 2 Changed
Old Color 1 New Color 1 Parameter 1 # 22 Old Param. 1 ID temperature New Param. 1 ID Temperature Parameter 2 # Old Param. 2 ID Old Value 1 100 New Value 1 100 F Old Value 2 New Value 2 Old Operator 1 >= New Opt. 1 >= Changed Opt. 1? N Old Opt. 2 New Opt. 2 Old Condensed Impact Old Full Impact Temperatures >= 100 F have a tendancy to overheat the battery.	Changed Color? Changed Param. 1? N Changed Param. 2? Changed Value 1? N Changed Value 2? Changed Opt. 2 Changed Changed Condensed Impact?
Old Color 1 New Color 1 Parameter 1 # 22 Old Param. 1 ID temperature New Param. 1 ID Temperature Parameter 2 # Old Param. 2 ID New Param. 2 ID Old Value 1 100 New Value 1 100 F Old Value 2 New Value 2 Old Operator 1 >= New Opt. 1 >= Changed Opt. 1? N Old Opt. 2 New Opt. 2 Old Condensed Impact Old Full Impact Temperatures >= 100 F have a tendancy to overheat the battery. New Full Impact Temperatures >= 100 F reduce efficiency and effectiveness of battery.	Changed Color? Changed Param. 1? N Changed Param. 2? Changed Value 1? N Changed Value 2? Changed Opt. 2 Changed Changed Condensed Impact?
Old Color 1 New Color 1 Parameter 1 # 22 Old Param. 1 ID temperature New Param. 1 ID Temperature Parameter 2 # Old Param. 2 ID New Param. 2 ID Old Value 1 100 New Value 1 100 F Old Value 2 New Value 2 Old Operator 1 >= New Opt. 1 >= Changed Opt. 1? N Old Opt. 2 New Opt. 2 Old Condensed Impact Old Condensed Impact Temperatures >= 100 F have a tendancy to overheat the battery. New Full Impact Temperatures >= 100 F reduce efficiency and effectiveness of battery. Old Source (1st Cavalry Division, 1992); New Source/ Reason for TM 11-6140-203-14-1, Para 2-7b, Figure 2-5, Oct 1980	Changed Color? Changed Param. 1? N Changed Param. 2? Changed Value 1? N Changed Value 2? Changed Opt. 2 Changed Changed Condensed Impact?

ID# 35 C	omponent Name	NIGHT VISION GO	GGLES	Rule 1 # 147 R	ule 2 # Delete Rule? N
Old Color 2	New Color	2			Changed Color? N
Parameter 1 #	28 Old Param. 1 ID	illumination	New Param. 1 ID	Illumination	Changed Param. 1? N
Parameter 2 #	Old Param. 2 ID		New Param. 2 ID		Changed Param. 27
Old Value 1	2	New Value	1	2.5 millilux	Changed Value 1? Y
Old Value 2		New Value	2		Changed Value 2?
Old Operator 1	< New Opt. 1	< Changed Opt.	1? N Old Opt. 2	New Opt. 2	Changed Opt. 2
Old Condensed Impact	Reduced Illumin	New C		Reduced Illuminatio	n Changed Condensed Impact?
Old Full Impact	Ambient illumination va	lues < 2.5 millilux ar	e unfavorable for	certain NVG operation	ons, e.g., navigation.
New Full Impact	Ambient illumination va	lues < 2.5 millilux ar	e unfavorable for	certain NVG operatio	ons, e.g., navigation.
					Changed Full Impact? N
Old Source (Ar	ny Research Lab, 1997);				
New Source/ Reason for Delete	Value determined by Dav	ve Sauter, Army Reso	earch Lab, 1997		
Comments		W			
Changed Source	? Y	Are There A	Any (2) Options?	N	Any Change to Record? Y
	استا				. •
ID# 36 Co	omponent Name	NIGHT VISION GO	GGLES	Rule 1 # 148 Ri	ule 2 # Delete Rule? N
ID# 36 Co	omponent Name New Color 1		GGLES	Rule 1 # 148 R	ule 2 # Delete Rule? N Changed Color? N
Old Color 1			GGLES New Param. 1 ID	Rule 1 # 148 Ru	
Old Color 1	New Color 1			l	Changed Color? N
Old Color 1 Parameter 1 #	New Color 1 Old Param. 1 ID		New Param. 1 ID	l	Changed Color? N Changed Param. 17 N
Old Color 1 Parameter 1 # Parameter 2 #	New Color 1 28 Old Param. 1 ID Old Param. 2 ID	illumination	New Param. 1 ID New Param. 2 ID 1 3	Illumination	Changed Color? N Changed Param. 17 N Changed Param. 27
Old Color 1 Parameter 1 # Parameter 2 # Old Value 1	New Color 1 28 Old Param. 1 ID Old Param. 2 ID 3	illumination New Value New Value	New Param. 1 ID New Param. 2 ID 1 3	Illumination	Changed Color? Changed Param. 1? N Changed Param. 2? Changed Value 1? Y
Old Color 1 Parameter 1 # Parameter 2 # Old Value 1 Old Value 2	New Color 1 28 Old Param. 1 ID Old Param. 2 ID 3	illumination New Value New Value Changed Opt.	New Param. 1 ID New Param. 2 ID 1 3 2 1? N Old Opt. 2 ondensed	Illumination	Changed Color? Changed Param. 1? N Changed Param. 2? Changed Value 1? Y Changed Value 2? Changed Opt. 2
Old Color 1 Parameter 1 # Parameter 2 # Old Value 1 Old Value 2 Old Operator 1 Old Condensed Impact	New Color 1 28 Old Param. 1 ID Old Param. 2 ID 3 New Opt. 1	New Value New Value Changed Opt.	New Param. 1 ID New Param. 2 ID 1 3 2 1? N Old Opt. 2 ondensed	Illumination 3.5 millilux New Opt. 2 Reduced Illumination	Changed Color? Changed Param. 1? N Changed Param. 2? Changed Value 1? Y Changed Value 2? Changed Opt. 2 Changed Changed Changed Changed Changed Changed Changed Changed Condensed Impact?
Old Color 1 Parameter 1 # Parameter 2 # Old Value 1 Old Value 2 Old Operator 1 Old Condensed Impact Old Full Impact	New Color 1 28 Old Param. 1 ID Old Param. 2 ID 3 < New Opt. 1 Reduced Illumina	illumination New Value New Value Changed Opt. ation New C Impact Iues < 3.5 millilux are	New Param. 1 ID New Param. 2 ID 1 3 2 17 N Old Opt. 2 ondensed	Illumination 5.5 millilux New Opt. 2 Reduced Illumination tain NVG operations	Changed Color? Changed Param. 1? N Changed Param. 2? Changed Value 1? Y Changed Value 2? Changed Opt. 2 Changed Changed Changed Changed Changed Changed Condensed Impact? N
Old Color 1 Parameter 1 # Parameter 2 # Old Value 1 Old Value 2 Old Operator 1 Old Condensed Impact Old Full Impact	New Color 1 28 Old Param. 1 ID Old Param. 2 ID 3 < New Opt. 1 Reduced Illumination val	illumination New Value New Value Changed Opt. ation New C Impact Iues < 3.5 millilux are	New Param. 1 ID New Param. 2 ID 1 3 2 17 N Old Opt. 2 ondensed	Illumination 5.5 millilux New Opt. 2 Reduced Illumination tain NVG operations	Changed Color? Changed Param. 1? N Changed Param. 2? Changed Value 1? Y Changed Value 2? Changed Opt. 2 Changed Changed Changed Changed Changed Changed Condensed Impact? N
Old Color 1 Parameter 1 # Parameter 2 # Old Value 1 Old Value 2 Old Operator 1 Old Condensed Impact Old Full Impact	New Color 1 28 Old Param. 1 ID Old Param. 2 ID 3 < New Opt. 1 Reduced Illumination val	illumination New Value New Value Changed Opt. ation New C Impact Iues < 3.5 millilux are	New Param. 1 ID New Param. 2 ID 1 3 2 17 N Old Opt. 2 ondensed	Illumination 5.5 millilux New Opt. 2 Reduced Illumination tain NVG operations	Changed Color? Changed Param. 1? N Changed Param. 2? Changed Value 1? Y Changed Value 2? Changed Opt. 2 Changed Opt. 2 n Changed Condensed Impact? N e.g, navigation.
Old Color 1 Parameter 1 # Parameter 2 # Old Value 1 Old Value 2 Old Operator 1 Old Condensed Impact Old Full Impact New Full Impact	New Color 1 28 Old Param. 1 ID Old Param. 2 ID 3 < New Opt. 1 Reduced Illumination val	illumination New Value New Value Changed Opt. ation New C Impact Iues < 3.5 millilux are	New Param. 1 ID New Param. 2 ID 1 3 2 17 N Old Opt. 2 ondensed	Illumination 5.5 millilux New Opt. 2 Reduced Illumination tain NVG operations	Changed Color? Changed Param. 1? N Changed Param. 2? Changed Value 1? Y Changed Value 2? Changed Opt. 2 Changed Condensed Impact? N e.g, navigation.
Old Color 1 Parameter 1 # Parameter 2 # Old Value 1 Old Value 2 Old Operator 1 Old Condensed Impact Old Full Impact New Full Impact Old Source (Arr	New Color 1 28 Old Param. 1 ID Old Param. 2 ID 3 < New Opt. 1 Reduced Illumination val Ambient illumination val	illumination New Value New Value Changed Opt. ation New C Impact Iues < 3.5 millilux and	New Param. 1 ID New Param. 2 ID 1	Illumination 5.5 millilux New Opt. 2 Reduced Illumination tain NVG operations	Changed Color? Changed Param. 1? N Changed Param. 2? Changed Value 1? Y Changed Value 2? Changed Opt. 2 Changed Opt. 2 n Changed Condensed Impact? N e.g, navigation.
Old Color 1 Parameter 1 # Parameter 2 # Old Value 1 Old Value 2 Old Operator 1 [Old Condensed impact Old Full Impact New Full Impact Old Source (Arr New Source/ Reason for	New Color 1 28 Old Param. 1 ID Old Param. 2 ID 3 < New Opt. 1 Reduced Illumination val Ambient illumination val Ambient illumination val Ambient illumination val Ambient illumination val	illumination New Value New Value Changed Opt. ation New C Impact Iues < 3.5 millilux and	New Param. 1 ID New Param. 2 ID 1	Illumination 5.5 millilux New Opt. 2 Reduced Illumination tain NVG operations	Changed Color? Changed Param. 1? N Changed Param. 2? Changed Value 1? Y Changed Value 2? Changed Opt. 2 Changed Opt. 2 n Changed Condensed Impact? N e.g, navigation.

ID# 37 Component Name NIGHT VISION SIGHT Rule 1 # 21 Rule 2 # Delete Rule? Y
Old Color 2 New Color Changed Color?
Parameter 1 # 22 Old Param. 1 ID temperature New Param. 1 ID Changed Param. 1?
Parameter 2 # Old Param. 2 ID New Param. 2 ID Changed Param. 2?
Old Value 1 125 New Value 1 Changed Value 1?
Old Value 2 New Value 2 Changed Value 2?
Old Operator 1 >= New Opt. 1 Changed Opt. 1? Old Opt. 2 New Opt. 2 Changed Opt. 2
Old Condensed Impact New Condensed Impact Changed Condensed Impact Condensed Impact?
Old Full Impact Temperatures >= 125 F exceed the operating limits of the system.
New Full Impact
Changed Full Impact?
Old Source (1st Cavalry Division, 1992);
New Source/ Reason for Delete Rule: Could not validate and may be too system specific for general class of all night vision sight. Delete Rule: Could not validate and may be too system specific for general class of all night vision sight.
Comments
Changed Source? Y Are There Any (2) Options? N Any Change to Record? Y
ID# 38 Component Name NIGHT VISION SIGHT Rule 1 # 147 Rule 2 # Delete Rule? N
Old Color 2 New Color 2 Changed Color? N
Parameter 1 # 28 Old Param. 1 ID illumination New Param. 1 ID Illumination Changed Param. 1? N
Parameter 1 # 28 Old Param. 1 ID Illumination New Param. 1 ID Illumination Changed Param. 1 N New Param. 2 ID Changed Param. 2
Parameter 2 # Old Param. 2 ID New Param. 2 ID Changed Param. 2?
Parameter 2 # Old Param. 2 ID New Param. 2 ID Changed Param. 2? Old Value 1 2 New Value 1 2.5 millilux Changed Value 1? Y
Parameter 2 # Old Param. 2 ID New Param. 2 ID Changed Param. 2? Old Value 1 2 New Value 1 2.5 millilux Changed Value 1? Y Old Value 2 Changed Value 2?
Parameter 2 # Old Param. 2 ID New Param. 2 ID Changed Param. 2? Old Value 1 2 New Value 1 2.5 millilux Changed Value 1? Y Old Value 2 Changed Value 2? Old Operator 1
Parameter 2 # Old Param. 2 ID
Parameter 2 # Old Param. 2 ID
Parameter 2 # Old Param. 2 ID New Param. 2 ID Changed Param. 2? Old Value 1 2 New Value 1 2.5 millilux Changed Value 1? Y Old Value 2 Changed Value 2? Old Operator 1 < New Opt. 1 < Changed Opt. 1? N Old Opt. 2 New Opt. 2 Changed Opt. 2 Old Condensed Impact Reduced Illumination New Condensed Impact Condensed Impact? Old Full Impact Ambient illumination values < 2.5 millilux are unfavorable for effective night vision sight use. New Full Impact Ambient illumination values < 2.5 millilux are unfavorable for effective night vision sight use.
Parameter 2 # Old Param. 2 ID
Parameter 2 # Old Param. 2 ID New Param. 2 ID Changed Param. 2? Old Value 1 2 New Value 1 2.5 millilux Changed Value 1? Y Old Value 2 Changed Value 2? Old Operator 1 New Opt. 1 Changed Opt. 1? N Old Opt. 2 New Opt. 2 Changed Opt. 2 Old Condensed Illumination New Condensed Reduced Illumination Changed Condensed Impact Old Full Impact Ambient illumination values < 2.5 millilux are unfavorable for effective night vision sight use. Old Source (Army Research Lab, 1997);
Parameter 2 # Old Param. 2 ID
Parameter 2 # Old Param. 2 ID
Parameter 2 # Old Param. 2 ID New Param. 2 ID Changed Param. 27 Old Value 1 2 New Value 1 2.5 millilux Changed Value 1? Y Old Value 2 New Opt. 1 Changed Opt. 1? N Old Opt. 2 New Opt. 2 Changed Opt. 2 Old Condensed Reduced Illumination New Condensed Impact Reduced Illumination Changed Condensed Impact Ambient illumination values < 2.5 millilux are unfavorable for effective night vision sight use. New Full Impact Ambient illumination values < 2.5 millilux are unfavorable for effective night vision sight use. Changed Full Impact? N Old Source (Army Research Lab, 1997); New Source/ Reason for Delete Value determined by Dave Sauter, Army Research Lab, 1997

ID# 39 Co	mponent Name	NIGHT VISION SIGH	IT	Rule 1 # 148 Ru	ule 2 # Delete Rule? N
Old Color 1	New Color 1				Changed Color? N
Parameter 1 # 2	8 Old Param. 1 ID ill	umination Nev	w Param. 1 ID	Illumination	Changed Param. 1? N
Parameter 2 #	Old Param. 2 ID	Nev	w Param. 2 ID		Changed Param. 2?
Old Value 1	3	New Value 1	3	3.5 millilux	Changed Value 1? Y
Old Value 2		New Value 2			Changed Value 2?
Old Operator 1	< New Opt. 1 <	Changed Opt. 1?	N Old Opt. 2	New Opt. 2	Changed Opt. 2
Old Condensed Impact	Reduced Illumination	New Conde	ensed	Reduced Illumination	Changed Condensed Impact?
Old Full Impact	Ambient illumination values	< 3.5 millilux are ma	arginal for effe	ective night vision sig	ght use.
New Full Impact	Ambient illumination values	< 3.5 millilux are ma	arginal for effe	ective night vision sig	ght use.
L					Changed Full Impact? N
Old Source (Arm	y Research Lab, 1997);				
New Source/ Reason for Delete	alue determined by Dave Sa	uter, Army Researc	h Lab, 1997		`
Comments	-				
e di j					
Changed Source?	Y	Are There Any (2	2) Options?	N	Any Change to Record?
	·				
ID# 40 Con	mponent Name	OA-9054 ANTENNA	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	Rule 1 # 69 Ru	ule 2 # Delete Rule? Y
ID# 40 Cor Old Color 1	mponent Name New Color	OA-9054 ANTENNA		Rule 1 # 69 Ru	ile 2 # Delete Rule? Y Changed Color?
	New Color		w Param. 1 ID	Rule 1 # 69 Ru	
Old Color 1	New Color	cewindspeed Nev		Rule 1 # 69 Ru	Changed Color?
Old Color 1 Parameter 1 # 2	New Color 1 Old Param. 1 ID surfa	cewindspeed Nev	w Param. 1 ID	Rule 1 # 69 Ru	Changed Color? Changed Param. 1?
Old Color 1 Parameter 1 # 2 Parameter 2 #	New Color 1 Old Param. 1 ID surfa Old Param. 2 ID	cewindspeed Nev	w Param. 1 ID	Rule 1 # 69 Ru	Changed Color? Changed Param. 17 Changed Param. 27
Old Color 1 Parameter 1 # 2 Parameter 2 # Old Value 1	New Color 1 Old Param. 1 ID surfa Old Param. 2 ID	cewindspeed New New Value 1	w Param. 1 ID	Rule 1 # 69 Ru	Changed Color? Changed Param. 17 Changed Param. 2? Changed Value 1?
Old Color 1 Parameter 1 # 2 Parameter 2 # Old Value 1 Old Value 2	New Color 1 Old Param. 1 ID surfa Old Param. 2 ID 35	cewindspeed New New Value 1 New Value 2	w Param. 1 ID w Param. 2 ID Old Opt. 2		Changed Color? Changed Param. 17 Changed Param. 27 Changed Value 17 Changed Value 27
Old Color 1 Parameter 1 # 2 Parameter 2 # Old Value 1 Old Value 2 Old Operator 1 Old Condensed Impact	New Color 1 Old Param. 1 ID surfa Old Param. 2 ID 35 >= New Opt. 1	cewindspeed New New New Value 1 New Value 2 Changed Opt. 1? New Conde	w Param. 1 ID w Param. 2 ID Old Opt. 2	New Opt. 2	Changed Color? Changed Param. 1? Changed Param. 2? Changed Value 1? Changed Value 2? Changed Opt. 2 Changed
Old Color 1 Parameter 1 # 2 Parameter 2 # Old Value 1 Old Value 2 Old Operator 1 Old Condensed Impact Old Full Impact	New Color 1 Old Param. 1 ID surfa Old Param. 2 ID 35 >= New Opt. 1 Surface Wind	cewindspeed New New New Value 1 New Value 2 Changed Opt. 1? New Conde	w Param. 1 ID w Param. 2 ID Old Opt. 2	New Opt. 2	Changed Color? Changed Param. 1? Changed Param. 2? Changed Value 1? Changed Value 2? Changed Opt. 2 Changed
Old Color 1 Parameter 1 # 2 Parameter 2 # Old Value 1 Old Value 2 Old Operator 1 Old Condensed Impact	New Color 1 Old Param. 1 ID surfa Old Param. 2 ID 35 >= New Opt. 1 Surface Wind	cewindspeed New New New Value 1 New Value 2 Changed Opt. 1? New Conde	w Param. 1 ID w Param. 2 ID Old Opt. 2	New Opt. 2	Changed Color? Changed Param. 1? Changed Param. 2? Changed Value 1? Changed Value 2? Changed Opt. 2 Changed
Old Color 1 Parameter 1 # 2 Parameter 2 # Old Value 1 Old Value 2 Old Operator 1 Old Condensed Impact Old Full Impact	New Color 1 Old Param. 1 ID surfa Old Param. 2 ID 35 >= New Opt. 1 Surface Wind	cewindspeed New New New Value 1 New Value 2 Changed Opt. 1? New Conde	w Param. 1 ID w Param. 2 ID Old Opt. 2	New Opt. 2	Changed Color? Changed Param. 1? Changed Param. 2? Changed Value 1? Changed Value 2? Changed Opt. 2 Changed
Old Color 1 Parameter 1 # 2 Parameter 2 # Old Value 1 Old Value 2 Old Operator 1 Old Condensed Impact Old Full Impact New Full Impact	New Color 1 Old Param. 1 ID surfa Old Param. 2 ID 35 >= New Opt. 1 Surface Wind Surface wind >= 35 knots ma	cewindspeed New New New Value 1 New Value 2 Changed Opt. 1? New Conde	w Param. 1 ID w Param. 2 ID Old Opt. 2	New Opt. 2	Changed Color? Changed Param. 1? Changed Param. 2? Changed Value 1? Changed Value 2? Changed Opt. 2 Changed
Old Color 1 Parameter 1 # 2 Parameter 2 # Old Value 1 Old Value 2 Old Operator 1 Old Condensed Impact Old Full Impact New Full Impact Old Source (1st 6)	New Color 1 Old Param. 1 ID surfa Old Param. 2 ID 35 >= New Opt. 1 Surface Wind Surface wind >= 35 knots ma Cavalry Division, 1992);	newindspeed New New Value 1 New Value 2 New Conde Impact New Cause damage to	w Param. 1 ID w Param. 2 ID Old Opt. 2 ensed masts if fully	New Opt. 2	Changed Color? Changed Param. 1? Changed Param. 2? Changed Value 1? Changed Value 2? Changed Opt. 2 Changed Condensed Impact?
Old Color 1 Parameter 1 # 2 Parameter 2 # Old Value 1 Old Value 2 Old Operator 1 Old Condensed Impact Old Full Impact New Full Impact Old Source (1st 6)	New Color 1 Old Param. 1 ID surfa Old Param. 2 ID 35 >= New Opt. 1 Surface Wind Surface wind >= 35 knots ma	newindspeed New New Value 1 New Value 2 New Conde Impact New Cause damage to	w Param. 1 ID w Param. 2 ID Old Opt. 2 ensed masts if fully	New Opt. 2	Changed Color? Changed Param. 1? Changed Param. 2? Changed Value 1? Changed Value 2? Changed Opt. 2 Changed Condensed Impact?
Old Color 1 Parameter 1 # 2 Parameter 2 # Old Value 1 Old Value 2 Old Operator 1 Old Condensed Impact Old Full Impact New Full Impact Old Source (1st of New Source) Reason for	New Color 1 Old Param. 1 ID surfa Old Param. 2 ID 35 >= New Opt. 1 Surface Wind Surface wind >= 35 knots ma Cavalry Division, 1992);	newindspeed New New Value 1 New Value 2 New Conde Impact New Cause damage to	w Param. 1 ID w Param. 2 ID Old Opt. 2 ensed masts if fully	New Opt. 2	Changed Color? Changed Param. 1? Changed Param. 2? Changed Value 1? Changed Value 2? Changed Opt. 2 Changed Condensed Impact?
Old Color 1 Parameter 1 # 2 Parameter 2 # Old Value 1 Old Value 2 Old Operator 1 Old Condensed Impact Old Full Impact New Full Impact Old Source (1st c) Reason for Delete	New Color 1 Old Param. 1 ID surfa Old Param. 2 ID 35 >= New Opt. 1 Surface Wind Surface wind >= 35 knots ma Cavalry Division, 1992); elete Rule: Could not find an	newindspeed New New Value 1 New Value 2 New Conde Impact New Cause damage to	w Param. 1 ID w Param. 2 ID Old Opt. 2 ensed masts if fully	New Opt. 2	Changed Color? Changed Param. 1? Changed Param. 2? Changed Value 1? Changed Value 2? Changed Opt. 2 Changed Condensed Impact?

ID# 41 C	omponent Name	OA-9054 ANTENNA		Rule 1 # 71 Rule	2 # Delete Rule? Y
Old Color 2	New Color				Changed Color?
Parameter 1 #	21 Old Param. 1 ID surf	acewindspeed Ne	w Param. 1 ID		Changed Param. 17
Parameter 2 #	Old Param. 2 ID	Ne	w Param. 2 ID		Changed Param. 2?
Old Value 1	50	New Value 1			Changed Value 1?
Old Value 2		New Value 2			Changed Value 2?
Old Operator 1	>= New Opt. 1	Changed Opt. 1?	Old Opt. 2	New Opt. 2	Changed Opt. 2
Old Condensed Impact	Surface Wind	New Cond Impact	ensed		Changed Condensed Impact?
Old Full Impact	Surface wind >= 50 knots w	ill cause damage to	masts if fully e	extended.	
New Full Impact					
					Changed Full Impact?
L	t Cavalry Division, 1992);				
New Source/ Reason for Delete	Delete Rule: Could not find a	any reference materi	al.		
Comments	A A A A A A A A A A A A A A A A A A A				
Changed Source	? Y	Are There Any	(2) Options?	N	Any Change to Record?
ID# 42 C	omponent Name	OPTICAL SIGHT		Rule 1 # 109 Rule	2# 109 Delete Rule? N
Old Color 1	New Color 1			السسسسا	Changed Color? N
Parameter 1 #	26 Old Param. 1 ID	visibility Ne	w Param. 1 ID	Visibility	Changed Param. 1? N
Parameter 2 #	7 Old Param. 2 ID	drizzle Ne	w Param. 2 ID	Drizzle	Changed Param. 2? N
Old Value 1	5000	New Value 1	5	000 meters	Changed Value 1? N
Old Value 2	0	New Value 2		None	Changed Value 2? Y
Old Operator 1	< New Opt. 1 <	Changed Opt. 1?	N Old Opt. 2	> New Opt. 2	> Changed Opt. 2 N
Old Condensed Impact	Drizzle and Reduced Vis	ibility New Cond	ensed Driz	zle and Reduced Visibi	Changed Condensed Impact?
Old Full Impact	Any occurrence of drizzle a background and makes tar			educes the contrast bet	ween the target and the
New Full Impact	Any occurrence of drizzle a background and makes tar			educes the contrast be	ween the target and the
					Changed Full Impact? N
Old Source (1s	t Cavalry Division, 1992);				
	"Quantitative vs. Qualitative WSMR, NM.	Tactical Decision A	ids: Is There a	Difference?" Dr. R. Sh	irkey, Dec 1997, ARL,
Comments					

ID# 43 Co	mponent Name C	PTICAL SIGHT	Rule 1 # 110 Rule 2	# 110 Delete Rule? N
Old Color 1	New Color 1			Changed Color? N
Parameter 1 # 2	Old Param. 1 ID visi	bility New Param. 1	D Visibility	Changed Param. 17 N
Parameter 2 # 1	Old Param. 2 ID ra	New Param. 2	D Rain	Changed Param. 27 N
Old Value 1	5000	New Value 1	5000 meters	Changed Value 1? N
Old Value 2	0	New Value 2	None	Changed Value 2? Y
Old Operator 1	< New Opt. 1 < Ci	nanged Opt. 1? N Old Opt.	2 > New Opt. 2	> Changed Opt. 2 N
Old Condensed Impact	Precipitation and Reduced Visit	New Condensed Impact	Rain and Reduced Visibility	Changed Condensed Impact?
	Any occurrence of rain and visil background and makes target a		duces the contrast between	n the target and the
	Any occurrence of rain and visil background and makes target a		duces the contrast between	n the target and the
r				Changed Full Impact? N
-	Cavalry Division, 1992);			
	Quantitative vs. Qualitative Tact VSMR, NM.	ical Decision Aids: Is There	a Difference?" Dr. R. Shirk	ey, Dec 1997, ARL,
Comments				
Changed Source?	Y	Are There Any (2) Options?	Y	ny Change to Record?
Changed Source:	ŧ	Ale There May (2) options:		my change to record.
		PTICAL SIGHT	Rule 1 # 111 Rule 2	
Old Color 1	New Color 1	N D 41	D 20-11-114	Changed Color? N
		bility New Param. 1 I		Changed Param. 17 N
		New Param. 2 I		Changed Param. 27 N
Old Value 1	5000	New Value 1	5000 meters	Changed Value 1? N
Old Value 2	0	New Value 2	None	Changed Value 2? Y Changed Opt. 2 N
Old Operator 1	·	nanged Opt. 1? N Old Opt.	2 > New Opt. 2 now and Reduced Visibility	
Old Condensed Impact	Snow and Reduced Visibility	New Condensed S	now and Reduced Visibility	
Old Full Impact		Impact		Condensed Impact?
	Any occurrence of snow and vis background and makes target a	ibility < 3.1 miles (5000 m)		Condensed Impact?
New Full Impact		impact sibility < 3.1 miles (5000 m) incquisition difficult. sibility < 3.1 miles (5000 m) incquisition difficult.	reduces the contrast between	Condensed Impact? Nen the target and the
New Full Impact	background and makes target a	impact sibility < 3.1 miles (5000 m) incquisition difficult. sibility < 3.1 miles (5000 m) incquisition difficult.	reduces the contrast between	Condensed Impact? Nen the target and the
New Full Impact	background and makes target a	impact sibility < 3.1 miles (5000 m) incquisition difficult. sibility < 3.1 miles (5000 m) incquisition difficult.	reduces the contrast between	en the target and the
New Full Impact Old Source (1st New Source/	background and makes target a Any occurrence of snow and vis background and makes target a	impact sibility < 3.1 miles (5000 m) (cquisition difficult. sibility < 3.1 miles (5000 m) (cquisition difficult.	reduces the contrast between	en the target and the en the target and the Changed Full Impact?
New Full Impact Old Source (1st New Source/ Reason for	background and makes target and the background and makes target and makes target and makes target and cavalry Division, 1992); Quantitative vs. Qualitative Tact	impact sibility < 3.1 miles (5000 m) (cquisition difficult. sibility < 3.1 miles (5000 m) (cquisition difficult.	reduces the contrast between	en the target and the en the target and the Changed Full Impact?

ID# 45 Component Name OPTICAL SIGHT Rule 1 # 112 Rule 2 # 112 Delete Ru	ile? N
Old Color 1 New Color 1 Changed Color?	N
Parameter 1 # 26 Old Param. 1 ID visibility New Param. 1 ID Visibility Changed Param	n. 17 N
Parameter 2 # 1 Old Param. 2 ID blowingsand New Param. 2 ID Blowing Sand Changed Param	n. 2? N
Old Value 1 5000 New Value 1 5000 meters Changed Value	1? N
Old Value 2 1 New Value 2 None Changed Value	2? Y
Old Operator 1	t. 2 Y
Old Condensed Impact Blowing Sand and Reduced Visibility New Condensed Impact Blowing Sand and Reduced Changed Condensed Impact Visibility Condensed Impact New Condense Impact New Co	ct? N
Old Full Impact Any occurrence of blowing sand and visibility < 3.1 miles (5000 m) reduces the contrast between the target the background and makes target acquisition difficult.	et and
New Full Impact Any occurrence of blowing sand and visibility < 3.1 miles (5000 m) reduces the contrast between the target the background and makes target acquisition difficult.	et and
Changed Full Impa	ct? N
Old Source (1st Cavalry Division, 1992);	
New Source/ Reason for Delete "Quantitative vs. Qualitative Tactical Decision Aids: Is There a Difference?" Dr. R. Shirkey, Dec 1997, ARL, WSMR, NM.	
Comments	
Changed Source? Y Are There Any (2) Options? Y Any Change to Record	1? Y
ID II CAD O CAN CAD O CA	
ID# 46 Component Name OPTICAL SIGHT Rule 1 # 113 Rule 2 # 113 Delete Ru	ule? N
Old Color 1 New Color 1 New Color 1 Changed Color?	uie? N
	N
Old Color 1 New Color 1 Changed Color?	N n. 1? N
Old Color 1 New Color 1 Changed Color? Parameter 1 # 26 Old Param. 1 ID visibility New Param. 1 ID Visibility Changed Param	n. 1? N n. 2? N
Old Color 1 New Color 1 Changed Color? Parameter 1 # 26 Old Param. 1 ID visibility New Param. 1 ID Visibility Changed Parameter 2 # 9 Old Param. 2 ID fog New Param. 2 ID Fog Changed Parameter 2 # 9 Old Paramet	n. 17 N n. 27 N 17 N
Old Color 1 New Color 1 Changed Color? Parameter 1 # 26 Old Param. 1 ID visibility New Param. 1 ID Visibility Changed Parameter 2 # 9 Old Param. 2 ID fog New Param. 2 ID Fog Changed Parameter 2 # 5000 New Value 1 5000 meters Changed Value 1	N m. 17 N m. 27 N e 17 N e 27 Y
Old Color 1 New Color 1 Parameter 1 # 26 Old Param. 1 ID visibility New Param. 1 ID Visibility Changed Parameter 2 # 9 Old Param. 2 ID fog New Param. 2 ID Fog Changed Parameter 2 # 9 Old Value 1 5000 New Value 1 5000 meters Changed Value Old Value 2 1 New Value 2 None Changed Value	n. 17 N m. 27 N e 17 N e 27 Y
Old Color 1 New Color 1 New Color 1 Changed Color? Parameter 1 # 26 Old Param. 1 ID visibility New Param. 1 ID Visibility Changed Parameter 2 # 9 Old Param. 2 ID fog New Param. 2 ID Fog Changed Parameter 2 # 9 Old Value 1 5000 New Value 1 5000 meters Changed Value Old Value 2 1 New Value 2 None Changed Value Old Operator 1 < New Opt. 1 < Changed Opt. 1? N Old Opt. 2 = New Opt. 2 > Changed Opt. 1	n. 17 N m. 27 N e 17 N e 27 Y
Old Color 1 New Color 1 Parameter 1 # 26 Old Param. 1 ID visibility New Param. 1 ID Visibility Changed Parameter 2 # 9 Old Param. 2 ID fog New Param. 2 ID Fog Changed Parameter 2 # 9 Old Param. 2 ID fog New Param. 2 ID Fog Changed Parameter 2 # 9 Old Value 1 5000 New Value 1 5000 meters Changed Value Old Value 2 1 New Value 2 None Changed Value Old Operator 1 < New Opt. 1 < Changed Opt. 1? N Old Opt. 2 = New Opt. 2 > Changed Opt. 1? N Old Condensed Impact Pog and Reduced Visibility Changed Condensed Impact Old Full Impact Any occurrence of fog and visibility < 3.1 miles (5000 m) reduces the contrast between the target and the	n. 17 N m. 27 N e 17 N e 27 Y
Old Color 1 New Color 1 Parameter 1 # 26 Old Param. 1 ID visibility New Param. 1 ID Visibility Changed Parameter 2 # 9 Old Param. 2 ID fog New Param. 2 ID Fog Changed Parameter 2 # 9 Old Param. 2 ID fog New Param. 2 ID Fog Changed Parameter 2 # 9 Old Value 1 5000 New Value 1 5000 meters Changed Value Old Value 2 1 New Value 2 None Changed Value Old Operator 1 < New Opt. 1 < Changed Opt. 1? N Old Opt. 2 = New Opt. 2 > Changed Opt. 1? N Old Condensed Impact Programmed Impact P	n. 17 N m. 27 N e 17 N e 27 Y t. 2 Y
Old Color 1 New Color 1 New Color 1 Changed Color? Parameter 1 # 26 Old Param. 1 ID visibility New Param. 1 ID Visibility Changed Parameter 2 # 9 Old Param. 2 ID fog New Param. 2 ID Fog Changed Parameter 2 # 9 Old Param. 2 ID New Value 1 S000 meters Changed Value Cold Value 2 1 New Value 2 None Changed Value Cold Operator 1 < New Opt. 1 < Changed Opt. 1? N Old Opt. 2 = New Opt. 2 > Changed Opt. 1? N Old Opt. 2 = New Opt. 2 > Changed Opt. 1? N Old Condensed Impact Condensed Impact Condensed Impact Any occurrence of fog and visibility < 3.1 miles (5000 m) reduces the contrast between the target and the background and makes target acquisition difficult. New Full Impact Any occurrence of fog and visibility < 3.1 miles (5000 m) reduces the contrast between the target and the background and makes target acquisition difficult. Changed Full Impact Changed Ful	n. 17 N m. 27 N e 17 N e 27 Y t. 2 Y act? N
Old Color 1 New Color 1 Visibility New Param. 1 ID Visibility Changed Color? Parameter 1 # 26 Old Param. 1 ID Visibility New Param. 1 ID Visibility Changed Parameter 2 # 9 Old Param. 2 ID fog New Param. 2 ID Fog Changed Parameter 2 # 9 Old Param. 2 ID Fog Changed Parameter 2 # 9 Old Param. 2 ID Fog Changed Parameter 2 # 9 Old Param. 2 ID Fog Changed Parameter 2 # 9 Old Value 1	n. 17 N m. 27 N e 17 N e 27 Y t. 2 Y act? N
Old Color 1 New Color 1 Parameter 1 # 26 Old Param. 1 ID visibility New Param. 1 ID Visibility Changed Parameter 2 # 9 Old Param. 2 ID fog New Param. 2 ID Fog Changed Parameter 2 # 9 Old Param. 2 ID New Value 1 5000 meters Changed Value Cold Value 2 1 New Opt. 1 Shaped Value 2 None Changed Value Cold Operator 1 Shew Opt. 1 Shaped Opt. 1? Nold Opt. 2 New Opt. 2 Changed Opt. 1? Nold Opt. 2 New Opt. 2 Shaped Opt. 1? Nold Opt. 2 New Opt. 2 Shaped Opt. 1? Nold Opt. 2 New Opt. 2 Shaped Opt. 1? Nold Opt. 2 New Opt. 2 Shaped Opt. 1? Nold Opt. 2 New Opt. 2 Shaped Opt. 1? Nold Opt. 2 New Opt. 2 Shaped Opt. 1? Nold Opt. 2 New Opt. 2 Shaped Opt. 1? Nold Opt. 2 New Opt. 2 Shaped Opt. 2 Shaped Opt. 2 New Condensed Impact Opt. 3.1 miles (5000 m) reduces the contrast between the target and the background and makes target acquisition difficult. New Full Impact Any occurrence of fog and visibility Shaped Shaped Shaped Opt. 2.1 miles (5000 m) reduces the contrast between the target and the background and makes target acquisition difficult. Changed Full Impact Old Source (1st Cavalry Division, 1992); New Source/ Reason for "Quantitative vs. Qualitative Tactical Decision Aids: Is There a Difference?" Dr. R. Shirkey, Dec 1997, ARL WSMR, NM.	n. 17 N m. 27 N e 17 N e 27 Y t. 2 Y act? N

ID# 47 C	omponent Name	OPTICAL SIGHT		Rule 1 # 115 Rul	e 2 # 115 Delete Rule? N
Old Color 2	New Color 2				Changed Color? N
Parameter 1 #	26 Old Param. 1 ID	visibility Ne	w Param. 1 ID	Visibility	Changed Param. 1? N
Parameter 2 #	7 Old Param. 2 ID	drizzle Ne	w Param. 2 ID	Drizzle	Changed Param. 2? N
Old Value 1	3100	New Value 1	31	00 meters	Changed Value 1? N
Old Value 2	0	New Value 2		None	Changed Value 2? Y
Old Operator 1	< New Opt. 1 <	Changed Opt. 1?	N Old Opt. 2	> New Opt. 2	> Changed Opt. 2 N
Old Condensed Impact	Drizzle and Reduced \	/isibility New Cond Impact	ensed Dri	zzle and Low Visibilit	y Changed Condensed Impact?
Old Full Impact	Any occurrence of drizzle making target acquisition				oackground contrast
New Full Impact	Any occurrence of drizzle making target acquisition				packground contrast
Old Course (45	Coveler Division 4003)				Changed Full Impact? N
<u> </u>	t Cavalry Division, 1992);	- T A	de la There a P		
New Source/ Reason for Delete	"Quantitative vs. Qualitativ WSMR, NM.	e Tactical Decision Al	as: is There a L	лтеrence?" Dr. R. Sn	Irkey, Dec 1997, ARL,
Comments		an and the second secon			
Changed Source	? Y	Are There Any ((2) Options?	7	Any Change to Record? Y
3					ing energy to the energy
	omponent Name	OPTICAL SIGHT		Rule 1 # 116 Rule	2 # 116 Delete Rule? N
Old Color 2	New Color 2		5 415		Changed Color? N
<u></u>	26 Old Param. 1 ID		w Param. 1 ID	Visibility	Changed Param. 1? N
	14 Old Param. 2 ID		w Param. 2 ID	Rain	Changed Param. 2? N
Old Value 1	3100	New Value 1	310	00 meters	Changed Value 1? N
Old Value 2	0	New Value 2		None	Changed Value 2? Y
Old Operator 1	< New Opt. 1 <		N Old Opt. 2	> New Opt. 2	> Changed Opt. 2 N
Old Condensed Impact	Precipitation and Reduce	d Visibility New Conde Impact	ensed Ra	in and Low Visibility	Changed Condensed Impact?
Old Full Impact	Any occurrence of rain an target acquisition very dif				kground contrast making
New Full Impact	Any occurrence of rain an target acquisition very dif				kground contrast making
Old Source (1st	Cavalry Division, 1992);	1	ALCO II		Changed Full Impact? N
New Source/	'Quantitative vs. Qualitativ VSMR, NM.	e Tactical Decision Aid	ds: Is There a D	ifference?" Dr. R. Sh	irkey, Dec 1997, ARL,
Comments					
ا "Changed Source	? [Y]	Are There Any (2) Options? Y	7	Any Change to Record? Y

ID# 49 C	component Name OPTICAL SIGHT Rule 1	1 # 117 Rule 2 # 117 Delete Rule? N
Old Color 2	New Color 2	Changed Color? N
Parameter 1 #	26 Old Param. 1 ID visibility New Param. 1 ID	Visibility Changed Param. 1? N
Parameter 2 #	17 Old Param. 2 ID snow New Param. 2 ID	Snow Changed Param. 27 N
Old Value 1	3100 New Value 1 3100 med	eters Changed Value 1? N
Old Value 2	0 New Value 2 None	e Changed Value 2? Y
Old Operator 1	New Opt. 1 < Changed Opt. 1? N Old Opt. 2 >	New Opt. 2 > Changed Opt. 2 N
Old Condensed Impact	Snow and Reduced Visibility New Condensed Impact Snow an	nd Low Visibility Changed Condensed Impact?
Old Full Impact	Any occurrence of snow and visibility < 1.9 miles (3100 m) reduces the target acquisition very difficult and is near the minimum useable range.	
New Full Impact	Any occurrence of snow and visibility < 1.9 miles (3100 m) reduces the target acquisition very difficult and is near the minimum useable range.	
		Changed Full Impact?
Old Source (1s	t Cavalry Division, 1992);	
New Source/ Reason for Delete	"Quantitative vs. Qualitative Tactical Decision Aids: Is There a Differed WSMR, NM.	nce?" Dr. R. Shirkey, Dec 1997, ARL,
Comments		
Changed Source	Are There Any (2) Options?	Any Change to Record?
ID# 50 C	Component Name OPTICAL SIGHT Rule 1	1 # 118 Rule 2 # 118 Delete Rule? N
Old Color 2	New Color 2	Changed Color? N
Parameter 1 #	26 Old Param. 1 ID visibility New Param. 1 ID	Visibility Changed Param. 1? N
Parameter 2 #	1 Old Param. 2 ID blowingsand New Param. 2 ID	Blowing Sand Changed Param. 2? N
Old Value 1	3100 New Value 1 3100 me	eters Changed Value 1? N
Old Value 2	1 New Value 2 None	e Changed Value 2? Y
Old Operator 1	New Opt. 1 Changed Opt. 1? N Old Opt. 2 =	New Opt. 2 > Changed Opt. 2 Y
Old Condensed Impact	Blowing Sand and Reduced New Condensed Impact Blowing San	nd and Low Visibility Changed Condensed Impact?
Old Full Impact	Any occurrence of blowing sand and visibility < 1.9 miles (3100 m) remaking target acquisition very difficult and is near the minimum uses	
New Full Impact	Any occurrence of blowing sand and visibility < 1.9 miles (3100 m) remaking target acquisition very difficult and is near the minimum uses	
		Changed Full Impact? N
Old Source (1s	st Cavalry Division, 1992);	
New Source/ Reason for Delete	"Quantitative vs. Qualitative Tactical Decision Aids: Is There a Differe WSMR, NM.	ence?" Dr. R. Shirkey, Dec 1997, ARL,
Comments		
Changed Source	e? Y Are There Any (2) Options? Y	Any Change to Record? Y

ID# 51 C	omponent Name	OPTICAL SIGHT		Rule 1 # 119 F	tule 2 # 119 Delete Rule? N
Old Color 2	New Color 2				Changed Color? N
Parameter 1 #	26 Old Param. 1 ID	visibility Ne	w Param. 1 ID	Visibility	Changed Param. 1? N
Parameter 2 #	9 Old Param. 2 ID	fog Ne	w Param. 2 iD	Fog	Changed Param. 27 N
Old Value 1	3100	New Value 1	31	100 meters	Changed Value 1? N
Old Value 2	1	New Value 2		None	Changed Value 2? Y
Old Operator 1	< New Opt. 1 <	Changed Opt. 1?	N Old Opt. 2	= New Opt. 2	> Changed Opt. 2 Y
Old Condensed Impact	Fog and Reduced Visit	New Condo	ensed F	og and Low Visibili	ty Changed Condensed Impact?
Old Full Impact	Any occurrence of fog and target acquisition very diffic				ackground contrast making
New Full Impact	Any occurrence of fog and target acquisition very diffic		•	_	ackground contrast making
					Changed Full Impact? N
Old Source (1s	t Cavalry Division, 1992);				
New Source/ Reason for Delete	"Quantitative vs. Qualitative WSMR, NM.	Tactical Decision Ai	ds: Is There a I	Difference?" Dr. R.	Shirkey, Dec 1997, ARL,
Comments					
Changed Source	? Y	Are There Any (2) Options?	Y	Any Change to Record? Y
ID# 52 C	omponent Name	STINGER-COMMON		Rule 1 # 36 R	ule 2 # Delete Rule? N
Old Color 1	New Color 1				Changed Color? N
Parameter 1 #	26 Old Param. 1 ID	visibility Nev	v Param. 1 ID	Visibility	Changed Param. 1? N
Parameter 2 #	Old Param. 2 ID	Nev	v Param. 2 ID		Changed Param. 2?
Old Value 1	5000	New Value 1	40	00 meters	Changed Value 1? Y
Old Value 2		New Value 2			Changed Value 2?
Old Operator 1	< New Opt. 1 <	Changed Opt. 1?	N Old Opt. 2	New Opt. 2	Changed Opt. 2
Old Condensed Impact	Reduced Visibility	New Conde Impact	ensed	Low Visibility	Changed Condensed Impact?
Old Full Impact	Visibility < 3.1 miles (5000 m) reduces the opera	ting capability.		
New Full Impact	Visibility < 2.5 miles (4000 m) reduces the effecti	ve operating c	apability	
	~	: *			
					Changed Full Impact? Y
OLI O	0 1 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1				Changed I dil Impact:
Ľ.,	Cavalry Division, 1992);				Changed 1 dii impact: 1
Ľ.,	Cavalry Division, 1992); FM 44-43, Page 1-3, Oct 95				Changed Full Impacts [1]
New Source/ Reason for					Changed Full Impacts [1]

ID# 53 Co					
	omponent Name	THERMAL SIGHT	Rule 1 #	21 Rule 2 #	Delete Rule? N
Old Color 1	New Color 1			(Changed Color? N
Parameter 1 #	22 Old Param. 1 ID ter	nperature New P	aram. 1 ID Temp	perature	Changed Param. 1? N
Parameter 2 #	Old Param. 2 ID	New P	aram. 2 ID		Changed Param. 2?
Old Value 1	125	New Value 1	125 F		Changed Value 1? N
Old Value 2		New Value 2			Changed Value 2?
Old Operator 1	>= New Opt. 1 >=	Changed Opt. 1? N	Old Opt. 2 Nev	w Opt. 2	Changed Opt. 2
Old Condensed Impact	Hot	New Condens Impact	ed Extreme		Changed Condensed Impact?
Old Full Impact	Temperatures >= 125 F cause detect/identify targets.	e thermal bending to in	npact the thermal sight	which degrade	s the ability to
New Full Impact	Temperatures >= 125 F cause detect/identify targets.	e thermal bending to in	npact the thermal sight	which degrade	s the ability to
				C	hanged Full Impact? N
L	Cavalry Division, 1992);				
New Source/ Reason for Delete	FM 34-81-1, Appendix F-5, Dec	c 1992			
Comments					
Changed Source	? <u>Y</u>	Are There Any (2) (Options? N	Any	Change to Record?
	- · · · · · · · · · · · · · · · · · · ·				11 - T
ID# 54 C					
	omponent Name	THERMAL SIGHT	Rule 1 #	41 Rule 2 #	Delete Rule? N
Old Color 1	omponent Name New Color 1	THERMAL SIGHT	Rule 1 #		Delete Rule? N Changed Color? N
L	New Color 1				
	New Color 1	visibility New P			Changed Color? N
Parameter 1 #	New Color 1 26 Old Param. 1 ID	visibility New P	aram. 1 ID Vis		Changed Color? N Changed Param. 1? N
Parameter 1 # Parameter 2 #	New Color 1 26 Old Param. 1 ID 1 Old Param. 2 ID	visibility New P	aram. 1 ID Vis		Changed Color? N Changed Param. 17 N Changed Param. 2?
Parameter 1 # Parameter 2 # Old Value 1	New Color 1 26 Old Param. 1 ID 1 Old Param. 2 ID	visibility New P New Value 1 New Value 2	aram. 1 ID Vis		Changed Color? Changed Param. 1? N Changed Param. 2? Changed Value 1? N
Parameter 1 # Parameter 2 # Old Value 1 Old Value 2	New Color 1 26 Old Param. 1 ID 1 Old Param. 2 ID 3000	visibility New P New Value 1 New Value 2	aram. 1 ID Vis aram. 2 ID 3000 meters	sibility w Opt. 2	Changed Color? N Changed Param. 17 N Changed Param. 2? Changed Value 1? N Changed Value 2?
Parameter 1 # Parameter 2 # Old Value 1 Old Value 2 Old Operator 1 Old Condensed	New Color 1 26 Old Param. 1 ID 1 Old Param. 2 ID 3000	visibility New P New Value 1 New Value 2 Changed Opt. 1? N New Condens Impact	aram. 1 ID Vistaram. 2 ID 3000 meters Old Opt. 2 Neters Low Vistaram.	sibility w Opt. 2	Changed Color? Changed Param. 1? N Changed Param. 2? Changed Value 1? N Changed Value 2? Changed Opt. 2 Changed
Parameter 1 # Parameter 2 # Old Value 1 Old Value 2 Old Operator 1 Old Condensed Impact	New Color 1 26 Old Param. 1 ID 3 Old Param. 2 ID 3000 <= New Opt. 1 <= Reduced Visibility	visibility New P New Value 1 New Value 2 Changed Opt. 1? N New Condens Impact	aram. 1 ID Vistaram. 2 ID 3000 meters Old Opt. 2 Neters Low Vistaram.	sibility w Opt. 2	Changed Color? Changed Param. 1? N Changed Param. 2? Changed Value 1? N Changed Value 2? Changed Opt. 2 Changed
Parameter 1 # Parameter 2 # Old Value 1 Old Value 2 Old Operator 1 Old Condensed Impact Old Full Impact	New Color 1 26 Old Param. 1 ID 3 Old Param. 2 ID 3000 <= New Opt. 1 <= Reduced Visibility	visibility New P New Value 1 New Value 2 Changed Opt. 1? N New Condens Impact n) makes it difficult for	aram. 1 ID Vistaram. 2 ID 3000 meters Old Opt. 2 Neter Low Vistaram the thermal sight to id	w Opt. 2 ibility	Changed Color? Changed Param. 1? N Changed Param. 2? Changed Value 1? N Changed Value 2? Changed Opt. 2 Changed
Parameter 1 # Parameter 2 # Old Value 1 Old Value 2 Old Operator 1 Old Condensed Impact Old Full Impact	New Color 1 26 Old Param. 1 ID 3 Old Param. 2 ID 3000	visibility New P New Value 1 New Value 2 Changed Opt. 1? N New Condens Impact n) makes it difficult for	aram. 1 ID Vistaram. 2 ID 3000 meters Old Opt. 2 Neter Low Vistaram the thermal sight to id	w Opt. 2 ibility	Changed Color? Changed Param. 1? N Changed Param. 2? Changed Value 1? N Changed Value 2? Changed Opt. 2 Changed
Parameter 1 # Parameter 2 # Old Value 1 Old Value 2 Old Operator 1 Old Condensed Impact Old Full Impact	New Color 1 26 Old Param. 1 ID 3 Old Param. 2 ID 3000	visibility New P New Value 1 New Value 2 Changed Opt. 1? N New Condens Impact n) makes it difficult for	aram. 1 ID Vistaram. 2 ID 3000 meters Old Opt. 2 Neter Low Vistaram the thermal sight to id	w Opt. 2 ibility entify targets.	Changed Color? Changed Param. 1? N Changed Param. 2? Changed Value 1? N Changed Value 2? Changed Opt. 2 Changed
Parameter 1 # Parameter 2 # Old Value 1 Old Value 2 Old Operator 1 Old Condensed Impact Old Full Impact New Full Impact	New Color 1 26 Old Param. 1 ID 3 Old Param. 2 ID 3000	visibility New P New Value 1 New Value 2 Changed Opt. 1? N New Condens Impact n) makes it difficult for	aram. 1 ID Vistaram. 2 ID 3000 meters Old Opt. 2 Neter Low Vistaram the thermal sight to id	w Opt. 2 ibility entify targets.	Changed Color? Changed Param. 17 N Changed Param. 27 Changed Value 1? N Changed Value 2? Changed Opt. 2 Changed Condensed Impact?
Parameter 1 # Parameter 2 # Old Value 1 Old Value 2 Old Operator 1 Old Condensed Impact Old Full Impact New Full Impact Old Source (1s)	New Color 1 26 Old Param. 1 ID 3 Old Param. 2 ID 3000	visibility New P New Value 1 New Value 2 Changed Opt. 1? N New Condens Impact n) makes it difficult for m) makes it difficult for	aram. 1 ID Visaram. 2 ID 3000 meters Old Opt. 2 Need Low Visaram the thermal sight to id	w Opt. 2ibility lentify targets.	Changed Color? Changed Param. 1? N Changed Param. 2? Changed Value 1? N Changed Value 2? Changed Opt. 2 Changed Condensed Impact? Changed Full Impact? N
Parameter 1 # Parameter 2 # Old Value 1 Old Value 2 Old Operator 1 Old Condensed Impact Old Full Impact New Full Impact Old Source (1s) New Source/ Reason for	New Color 1 26 Old Param. 1 ID 3 Old Param. 2 ID 3000 <= New Opt. 1 <= Reduced Visibility Visibility <= 1.8 miles (3000 r Visibility <= 1.8 miles (3000 r t Cavalry Division, 1992); "Quantitative vs. Qualitative 1	visibility New P New Value 1 New Value 2 Changed Opt. 1? N New Condens Impact n) makes it difficult for m) makes it difficult for	aram. 1 ID Visaram. 2 ID 3000 meters Old Opt. 2 Need Low Visaram the thermal sight to id	w Opt. 2ibility lentify targets.	Changed Color? Changed Param. 1? N Changed Param. 2? Changed Value 1? N Changed Value 2? Changed Opt. 2 Changed Condensed Impact? Changed Full Impact? N

,					
ID# 55 C	component Name	THERMAL SIGH	Т	Rule 1 # 42 Ru	ule 2 # Delete Rule? N
Old Color 2	New Color 1				Changed Color? Y
Parameter 1 #	26 Old Param. 1 ID	visibility N	ew Param. 1 ID	Visibility	Changed Param. 1? N
Parameter 2 #	Old Param. 2 ID	N	ew Param. 2 ID		Changed Param. 2?
Old Value 1	2000	New Value 1	20	000 meters	Changed Value 1? N
Old Value 2		New Value 2			Changed Value 2?
Old Operator 1	<= New Opt. 1 <=	Changed Opt. 1?	N Old Opt. 2	New Opt. 2	Changed Opt. 2
Old Condensed Impact	Reduced Visibility	New Con Impact	densed	Low Visibility	Changed Condensed Impact?
Old Full Impact	Visibility <= 1.2 miles (2000	m) makes it very d	ifficult for the th	ermal sight to identi	fy targets.
New Full Impact	Visibility <= 1.2 miles (2000	m) makes it very d	ifficult for the th	ermal sight to identi	fy targets.
Old Source (1s	t Cavalry Division, 1992);	 			Changed Full Impact? N
·	"Quantitative vs. Qualitative	Tactical Decision /	ide: le There a	Difference?" Dr. P. S.	hirkov Doc 1997 API
	WSMR, NM.	Tactical Decision A	Nus. Is There a	omerence: or. k. s	mirkey, Dec 1997, ARL,
Comments					
Changed Source	? [Y]	Are There Any	(2) Options?	N	Any Change to Record? Y
	<u> </u>				
			WELLOW B. A 100 .		
ID# 56 C	omponent Name	THERMAL SIGH	r	Rule 1 # 46 Ru	le 2 # Delete Rule? N
ID # 56 C	omponent Name New Color 1	THERMAL SIGH	Г	Rule 1 # 46 Ru	le 2 # Delete Rule? N Changed Color? N
Old Color 1	New Color 1		r ew Param. 1 ID	Rule 1 # 46 Ru	
Old Color 1	New Color 1	visibility No			Changed Color? N
Old Color 1 Parameter 1 #	New Color 1 26 Old Param. 1 ID	visibility No	ew Param. 1 ID		Changed Color? N Changed Param. 1? N
Old Color 1 Parameter 1 # Parameter 2 #	New Color 1 26 Old Param. 1 ID Old Param. 2 ID	visibility No	ew Param. 1 ID	Visibility	Changed Color? N Changed Param. 1? N Changed Param. 2?
Old Color 1 Parameter 1 # Parameter 2 # Old Value 1	New Color 1 26 Old Param. 1 ID Old Param. 2 ID	visibility No	ew Param. 1 ID ew Param. 2 ID 40	Visibility	Changed Color? Changed Param. 1? N Changed Param. 2? Changed Value 1? N
Old Color 1 Parameter 1 # Parameter 2 # Old Value 1 Old Value 2	New Color 1 26 Old Param. 1 ID Old Param. 2 ID 4000	visibility No No New Value 1	ew Param. 1 ID ew Param. 2 ID 40 N Old Opt. 2	Visibility	Changed Color? Changed Param. 1? N Changed Param. 2? Changed Value 1? N Changed Value 2?
Old Color 1 Parameter 1 # Parameter 2 # Old Value 1 Old Value 2 Old Operator 1 Old Condensed	New Color 1 26 Old Param. 1 ID Old Param. 2 ID 4000 New Opt. 1 <	visibility New Value 1 New Value 2 Changed Opt. 1? New Conclumpact	ew Param. 1 ID ew Param. 2 ID 40 N Old Opt. 2	Visibility 000 meters New Opt. 2 Low Visibility	Changed Color? Changed Param. 1? N Changed Param. 2? Changed Value 1? N Changed Value 2? Changed Opt. 2 Changed Condensed Impact?
Old Color 1 Parameter 1 # Parameter 2 # Old Value 1 Old Value 2 Old Operator 1 Old Condensed Impact Old Full Impact	New Color 1 26 Old Param. 1 ID Old Param. 2 ID 4000 New Opt. 1 < Reduced Visibility	visibility New Value 1 New Value 2 Changed Opt. 1? New Conclumpact <= 2.5 miles (4000)	ew Param. 1 ID ew Param. 2 ID 40 N Old Opt. 2 [densed m) decreases the	Visibility 000 meters New Opt. 2 Low Visibility te target acquisition in	Changed Color? Changed Param. 1? N Changed Param. 2? Changed Value 1? N Changed Value 2? Changed Opt. 2 Changed Condensed Impact? Y
Old Color 1 Parameter 1 # Parameter 2 # Old Value 1 Old Value 2 Old Operator 1 Old Condensed Impact Old Full Impact	New Color 1 26 Old Param. 1 ID Old Param. 2 ID 4000 < New Opt. 1 < Reduced Visibility Any occurrence of visibility	visibility New Value 1 New Value 2 Changed Opt. 1? New Conclumpact <= 2.5 miles (4000)	ew Param. 1 ID ew Param. 2 ID 40 N Old Opt. 2 [densed m) decreases the	Visibility 000 meters New Opt. 2 Low Visibility te target acquisition in	Changed Color? Changed Param. 1? N Changed Param. 2? Changed Value 1? N Changed Value 2? Changed Opt. 2 Changed Condensed Impact? Tange.
Old Color 1 Parameter 1 # Parameter 2 # Old Value 1 Old Value 2 Old Operator 1 Old Condensed Impact Old Full Impact New Full Impact	New Color 1 26 Old Param. 1 ID Old Param. 2 ID 4000 < New Opt. 1 < Reduced Visibility Any occurrence of visibility	visibility New Value 1 New Value 2 Changed Opt. 1? New Conclumpact <= 2.5 miles (4000)	ew Param. 1 ID ew Param. 2 ID 40 N Old Opt. 2 [densed m) decreases the	Visibility 000 meters New Opt. 2 Low Visibility te target acquisition in	Changed Color? Changed Param. 1? N Changed Param. 2? Changed Value 1? N Changed Value 2? Changed Opt. 2 Changed Condensed Impact? Y
Old Color 1 Parameter 1 # Parameter 2 # Old Value 1 Old Value 2 Old Operator 1 Old Condensed Impact Old Full Impact New Full Impact Old Source (1st New Source/	New Color 1 26 Old Param. 1 ID Old Param. 2 ID 4000 < New Opt. 1 < Reduced Visibility Any occurrence of visibility Any occurrence of visibility	visibility New Value 1 New Value 2 Changed Opt. 1? New Cond Impact <= 2.5 miles (4000) <= 2.5 miles (4000)	ew Param. 1 ID ew Param. 2 ID N Old Opt. 2 [densed m) decreases the m) decreases the	Visibility 000 meters New Opt. 2 Low Visibility te target acquisition in the target acquisit	Changed Color? Changed Param. 1? N Changed Param. 2? Changed Value 1? N Changed Value 2? Changed Opt. 2 Changed Condensed Impact? Y range. Changed Full Impact? N
Old Color 1 Parameter 1 # Parameter 2 # Old Value 1 Old Value 2 Old Operator 1 Old Condensed Impact Old Full Impact New Full Impact Old Source (1st New Source/ Reason for	New Color 1 26 Old Param. 1 ID Old Param. 2 ID 4000 < New Opt. 1 < Reduced Visibility Any occurrence of visibility Any occurrence of visibility Cavalry Division, 1992); "Quantitative vs. Qualitative"	visibility New Value 1 New Value 2 Changed Opt. 1? New Cond Impact <= 2.5 miles (4000) <= 2.5 miles (4000)	ew Param. 1 ID ew Param. 2 ID N Old Opt. 2 [densed m) decreases the m) decreases the	Visibility 000 meters New Opt. 2 Low Visibility te target acquisition in the target acquisit	Changed Color? Changed Param. 1? N Changed Param. 2? Changed Value 1? N Changed Value 2? Changed Opt. 2 Changed Condensed Impact? Y range. Changed Full Impact? N

ID# 57 C	omponent Name	THERMA	LSIGHT	Rule 1 # 124 Rule :	2 # 124 Delete Rule? N
Old Color 2	New Color	2			Changed Color? N
Parameter 1 #	26 Old Param. 1 ID	visibility	New Param. 1 ID	Visibility	Changed Param. 1? N
Parameter 2 #	1 Old Param. 2 ID	blowingsand	New Param. 2 ID	Blowing Sand	Changed Param. 2? N
Old Value 1	3000	New \	/alue 1 3	000 meters	Changed Value 1? N
Old Value 2	1	New \	/alue 2	None	Changed Value 2? Y
Old Operator 1	< New Opt. 1	< Changed	Opt. 1? N Old Opt. 2	= New Opt. 2	> Changed Opt. 2 Y
Old Condensed Impact	Blowing S		ew Condensed	Low Visibility	Changed Condensed Impact?
Old Full Impact	Any occurrence of bi	lowing sand and vi	sibility <= 1.8 miles (30	000 m) severely decrease	es the target acquisition
New Full Impact	Any occurrence of bi range.	lowing sand and vi	sibility <= 1.8 miles (30	000 m) severely decreas	es the target acquisition
					Changed Full Impact? N
Ľ	t Cavalry Division, 19			44	
	"Quantitative vs. Qua WSMR, NM.	litative Tactical De	cision Aids: Is There a	Difference?" Dr. R. Shir	key, Dec 1997, ARL,
Comments					
Changed Source	9? Y	Are Th	ere Any (2) Options?	Y	Any Change to Record?
ID# 58 C	Component Name	TUEDMA	SIGHT	Dulo 1 # 425 Dulo	2 # 125 Doloto Pule? N
	component Name	THERMA	L SIGHT	Rule 1 # 125 Rule 2	
Old Color 2	New Color	2			Changed Color? N
Old Color 2 Parameter 1 #	New Color 26 Old Param. 1 ID	2 visibility	New Param. 1 ID	Visibility	Changed Color? N Changed Param. 1? N
Old Color 2 Parameter 1 # Parameter 2 #	New Color 26 Old Param. 1 ID 9 Old Param. 2 ID	visibility fog	New Param. 1 ID New Param. 2 ID	Visibility Fog	Changed Color? N Changed Param. 1? N Changed Param. 2? N
Old Color 2 Parameter 1 # Parameter 2 # Old Value 1	New Color 26 Old Param. 1 ID 9 Old Param. 2 ID 3000	visibility fog New \	New Param. 1 ID New Param. 2 ID /alue 1 3	Visibility Fog 000 meters	Changed Color? Changed Param. 1? N Changed Param. 2? N Changed Value 1? N
Old Color 2 Parameter 1 # Parameter 2 # Old Value 1 Old Value 2	New Color 26 Old Param. 1 ID 9 Old Param. 2 ID 3000	visibility fog New \	New Param. 1 ID New Param. 2 ID /alue 1 3	Visibility Fog 000 meters None	Changed Color? Changed Param. 1? N Changed Param. 2? N Changed Value 1? N Changed Value 2? Y
Old Color 2 Parameter 1 # Parameter 2 # Old Value 1 Old Value 2 Old Operator 1	New Color 26 Old Param. 1 ID 9 Old Param. 2 ID 3000 1 New Opt. 1	visibility fog New \ New \ Changed	New Param. 1 ID New Param. 2 ID /alue 1 3 /alue 2 Opt. 1? N Old Opt. 2	Visibility Fog 000 meters None = New Opt. 2	Changed Color? Changed Param. 1? N Changed Param. 2? N Changed Value 1? N Changed Value 2? Y Changed Opt. 2 Y
Old Color 2 Parameter 1 # Parameter 2 # Old Value 1 Old Value 2	New Color 26 Old Param. 1 ID 9 Old Param. 2 ID 3000	visibility fog New \ New \ Changed God Visibility N	New Param. 1 ID New Param. 2 ID /alue 1 3	Visibility Fog 000 meters None	Changed Color? Changed Param. 1? N Changed Param. 2? N Changed Value 1? N Changed Value 2? Y
Old Color 2 Parameter 1 # Parameter 2 # Old Value 1 Old Value 2 Old Operator 1 Old Condensed	New Color 26 Old Param. 1 ID 9 Old Param. 2 ID 3000 1 < New Opt. 1 Fog and Reduce	visibility fog New \ New \ Changed ed Visibility N	New Param. 1 ID New Param. 2 ID /alue 1 3 /alue 2 Opt. 1? N Old Opt. 2 ew Condensed npact	Visibility Fog 000 meters None = New Opt. 2	Changed Color? Changed Param. 1? N Changed Param. 2? N Changed Value 1? N Changed Value 2? Y Changed Opt. 2 Y Changed Condensed Impact?
Old Color 2 Parameter 1 # Parameter 2 # Old Value 1 Old Value 2 Old Operator 1 Old Condensed Impact Old Full Impact	New Color 26 Old Param. 1 ID 9 Old Param. 2 ID 3000 1 < New Opt. 1 Fog and Reduce Any occurrence of for	visibility fog New \ Changed Ged Visibility Ng and visibility <=	New Param. 1 ID New Param. 2 ID /alue 1	Visibility Fog 000 meters None = New Opt. 2 Low Visibility	Changed Color? Changed Param. 1? N Changed Param. 2? N Changed Value 1? N Changed Value 2? Y Changed Opt. 2 Y Changed Condensed Impact? Y jet acquisition range.
Old Color 2 Parameter 1 # Parameter 2 # Old Value 1 Old Value 2 Old Operator 1 Old Condensed Impact Old Full Impact	New Color 26 Old Param. 1 ID 9 Old Param. 2 ID 3000 1 < New Opt. 1 Fog and Reduce Any occurrence of for	visibility fog New \ Changed Ged Visibility Ng and visibility <=	New Param. 1 ID New Param. 2 ID /alue 1	Visibility Fog 0000 meters None New Opt. 2 Low Visibility erely decreases the target	Changed Color? Changed Param. 1? N Changed Param. 2? N Changed Value 1? N Changed Value 2? Y Changed Opt. 2 Y Changed Condensed Impact? Y jet acquisition range.
Old Color 2 Parameter 1 # Parameter 2 # Old Value 1 Old Value 2 Old Operator 1 Old Condensed Impact Old Full Impact	New Color 26 Old Param. 1 ID 9 Old Param. 2 ID 3000 1 < New Opt. 1 Fog and Reduce Any occurrence of for	visibility fog New \ Changed Ged Visibility Ng and visibility <=	New Param. 1 ID New Param. 2 ID /alue 1	Visibility Fog 0000 meters None New Opt. 2 Low Visibility erely decreases the target	Changed Color? Changed Param. 1? N Changed Param. 2? N Changed Value 1? N Changed Value 2? Y Changed Opt. 2 Y Changed Condensed Impact? Y get acquisition range.
Old Color 2 Parameter 1 # Parameter 2 # Old Value 1 Old Value 2 Old Operator 1 Old Condensed Impact Old Full Impact New Full Impact	New Color 26 Old Param. 1 ID 9 Old Param. 2 ID 3000 1 < New Opt. 1 Fog and Reduce Any occurrence of for	visibility fog New \ New \ Changed ed Visibility N In Og and visibility <=	New Param. 1 ID New Param. 2 ID /alue 1	Visibility Fog 0000 meters None New Opt. 2 Low Visibility erely decreases the target	Changed Color? Changed Param. 1? N Changed Param. 2? N Changed Value 1? N Changed Value 2? Y Changed Opt. 2 Y Changed Condensed Impact? Y jet acquisition range.
Old Color 2 Parameter 1 # Parameter 2 # Old Value 1 Old Value 2 Old Operator 1 Old Condensed Impact Old Full Impact New Full Impact Old Source (1s)	New Color 26 Old Param. 1 ID 9 Old Param. 2 ID 3000 1 < New Opt. 1 Fog and Reduce Any occurrence of for Any occurrence of for the Cavalry Division, 198	visibility fog New \ New \ Changed Ged Visibility Ng and visibility <= og and visibility <= 092);	New Param. 1 ID New Param. 2 ID /alue 1	Visibility Fog 0000 meters None New Opt. 2 Low Visibility erely decreases the target	Changed Color? Changed Param. 1? N Changed Param. 2? N Changed Value 1? N Changed Value 2? Y Changed Opt. 2 Y Changed Condensed Impact? Y get acquisition range. Changed Full Impact? N
Old Color 2 Parameter 1 # Parameter 2 # Old Value 1 Old Value 2 Old Operator 1 Old Condensed Impact Old Full Impact New Full Impact Old Source (1s New Source/Reason for Delete	New Color 26 Old Param. 1 ID 9 Old Param. 2 ID 3000 1 < New Opt. 1 Fog and Reduce Any occurrence of for Any occurrence of for t Cavalry Division, 198 "Quantitative vs. Qua	visibility fog New \ New \ Changed Ged Visibility Ng and visibility <= og and visibility <= 092);	New Param. 1 ID New Param. 2 ID /alue 1	Visibility Fog 000 meters None New Opt. 2 Low Visibility rerely decreases the targererly decreas	Changed Color? Changed Param. 1? N Changed Param. 2? N Changed Value 1? N Changed Value 2? Y Changed Opt. 2 Y Changed Condensed Impact? Y get acquisition range. Changed Full Impact? N
Old Color 2 Parameter 1 # Parameter 2 # Old Value 1 Old Value 2 Old Operator 1 Old Condensed Impact Old Full Impact New Full Impact Old Source (1s New Source/Reason for	New Color 26 Old Param. 1 ID 9 Old Param. 2 ID 3000 1 < New Opt. 1 Fog and Reduce Any occurrence of for Any occurrence of for t Cavalry Division, 198 "Quantitative vs. Qua	visibility fog New \ New \ Changed Ged Visibility Ng and visibility <= og and visibility <= 092);	New Param. 1 ID New Param. 2 ID /alue 1	Visibility Fog 000 meters None New Opt. 2 Low Visibility rerely decreases the targererly decreas	Changed Color? Changed Param. 1? N Changed Param. 2? N Changed Value 1? N Changed Value 2? Y Changed Opt. 2 Y Changed Condensed Impact? Y get acquisition range. Changed Full Impact? N

ID# 59 C					
	omponent Name	THERMAL	SIGHT	Rule 1 # 126 Ru	ile 2 # 126 Delete Rule? N
Old Color 2	New Color	2			Changed Color? N
Parameter 1 #	26 Old Param. 1 ID	visibility	New Param. 1 ID	Visibility	Changed Param. 1? N
Parameter 2 #	17 Old Param. 2 ID	snow	New Param. 2 ID	Snow	Changed Param. 2? N
Old Value 1	3000	New Va	alue 1 30	000 meters	Changed Value 1? N
Old Value 2	0	New Va	alue 2	None	Changed Value 2? Y
Old Operator 1	< New Opt. 1	< Changed O	pt. 1? N Old Opt. 2	> New Opt. 2	> Changed Opt. 2 N
Old Condensed Impact	Snow and Redu		w Condensed pact	Low Visibility	Changed Condensed Impact?
Old Full Impact	Any occurrence of	snow and visibility <=	= 1.8 miles (3000 m) se	everely decreases the	e target acquisition range.
New Full Impact	Any occurrence of	snow and visibility <=	= 1.8 miles (3000 m) se	everely decreases the	e target acquisition range.
Old Source (1s	t Cavalry Division, 1	992):			Changed Full Impact? N
New Source/			ision Aids: Is There a	Difference?" Dr. R. S	hirkey, Dec 1997, ARL,
Reason for Delete	WSMR, NM.				,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
Comments		1 866 79			
Changed Source	? Y	Are The	re Any (2) Options?	Y	Any Change to Record? Y
ID # 00 0	None	THERMAL	SICUT	Rule 1 # 127 Ru	ile 2 # 127 Delete Rule? N
	omponent Name	INERWAL	SIGHT	Rule 1# 121 Ru	le 2# 127 Delete Rule: 14
Old Color 2	Now Color	5			Changed Color? N
Doromotor 1 #	New Color	2 visibility	New Param 1 ID	Visibility	Changed Color? N
Parameter 1 #	26 Old Param. 1 ID	visibility	New Param. 1 ID	Visibility	Changed Param. 1? N
Parameter 2 #	26 Old Param. 1 ID 14 Old Param. 2 ID	visibility	New Param. 2 ID	Rain	Changed Param. 1? N Changed Param. 2? N
Parameter 2 # Old Value 1	26 Old Param. 1 ID 14 Old Param. 2 ID 3000	visibility rain New Va	New Param. 2 ID	Rain 000 meters	Changed Param. 1? N Changed Param. 2? N Changed Value 1? N
Parameter 2 # Old Value 1 Old Value 2	26 Old Param. 1 ID 14 Old Param. 2 ID 3000	visibility rain New Va	New Param. 2 ID alue 1 30	Rain 000 meters None	Changed Param. 1? N Changed Param. 2? N Changed Value 1? N Changed Value 2? Y
Parameter 2 # Old Value 1 Old Value 2 Old Operator 1	26 Old Param. 1 ID 14 Old Param. 2 ID 3000 0 New Opt. 1	visibility rain New Va New Va Changed O	New Param. 2 ID alue 1 30 alue 2 ppt. 1? N Old Opt. 2	Rain 000 meters None New Opt. 2	Changed Param. 1? N Changed Param. 2? N Changed Value 1? N Changed Value 2? Y > Changed Opt. 2 N
Parameter 2 # Old Value 1 Old Value 2	26 Old Param. 1 ID 14 Old Param. 2 ID 3000 0 New Opt. 1	visibility rain New Va New Va Changed O educed Visibility Ne	New Param. 2 ID alue 1 30 alue 2 ppt. 1? N Old Opt. 2	Rain 000 meters None	Changed Param. 1? N Changed Param. 2? N Changed Value 1? N Changed Value 2? Y Changed Opt. 2 N
Parameter 2 # Old Value 1 Old Value 2 Old Operator 1 Old Condensed	26 Old Param. 1 ID 14 Old Param. 2 ID 3000 0 < New Opt. 1 Precipitation and R	visibility rain New Va New Va Changed O educed Visibility Implication	New Param. 2 ID alue 1 30 alue 2 pt. 1? N Old Opt. 2 w Condensed R pact	Rain O00 meters None Nove New Opt. 2 ain and Low Visibilit	Changed Param. 17 N Changed Param. 27 N Changed Value 1? N Changed Value 2? Y > Changed Opt. 2 N y Changed
Parameter 2 # Old Value 1 Old Value 2 Old Operator 1 Old Condensed Impact Old Full Impact	Old Param. 1 ID 14 Old Param. 2 ID 3000 New Opt. 1 Precipitation and R	visibility rain New Va New Va Changed O educed Visibility Ne	New Param. 2 ID alue 1 30 alue 2 pt. 1? N Old Opt. 2 w Condensed R pact 1.8 miles (3000 m) sev	Rain 000 meters None New Opt. 2 cain and Low Visibility erely decreases the form	Changed Param. 1? N Changed Param. 2? N Changed Value 1? N Changed Value 2? Y > Changed Opt. 2 N y Changed Condensed Impact? Y
Parameter 2 # Old Value 1 Old Value 2 Old Operator 1 Old Condensed Impact Old Full Impact	Old Param. 1 ID 14 Old Param. 2 ID 3000 New Opt. 1 Precipitation and R	visibility rain New Va New Va Changed O educed Visibility Ne	New Param. 2 ID alue 1 30 alue 2 pt. 1? N Old Opt. 2 w Condensed R pact 1.8 miles (3000 m) sev	Rain 000 meters None New Opt. 2 cain and Low Visibility erely decreases the form	Changed Param. 17 N Changed Param. 27 N Changed Value 1? N Changed Value 2? Y Changed Opt. 2 N y Changed Condensed Impact? Y target acquisition range.
Parameter 2 # Old Value 1 Old Value 2 Old Operator 1 Old Condensed Impact Old Full Impact	Old Param. 1 ID 14 Old Param. 2 ID 3000 New Opt. 1 Precipitation and R	visibility rain New Va New Va Changed O educed Visibility Ne	New Param. 2 ID alue 1 30 alue 2 pt. 1? N Old Opt. 2 w Condensed R pact 1.8 miles (3000 m) sev	Rain 000 meters None New Opt. 2 cain and Low Visibility erely decreases the form	Changed Param. 17 N Changed Param. 27 N Changed Value 1? N Changed Value 2? Y Changed Opt. 2 N y Changed Condensed Impact? Y target acquisition range.
Parameter 2 # Old Value 1 Old Value 2 Old Operator 1 Old Condensed Impact Old Full Impact New Full Impact	26 Old Param. 1 ID 14 Old Param. 2 ID 3000 0 < New Opt. 1 Precipitation and R Any occurrence of ID Any occurrence of ID Cavalry Division, 19	visibility rain New Va New Va Changed O educed Visibility rain and visibility <= 4 rain and visibility <= 4	New Param. 2 ID alue 1 30 alue 2 ppt. 1? N Old Opt. 2 w Condensed pact 1.8 miles (3000 m) sev 1.8 miles (3000 m) sev	Rain 000 meters None New Opt. 2 cain and Low Visibilit erely decreases the feether d	Changed Param. 17 N Changed Param. 27 N Changed Value 1? N Changed Value 2? Y > Changed Opt. 2 N y Changed Condensed Impact? Y target acquisition range. Changed Full Impact? N
Parameter 2 # Old Value 1 Old Value 2 Old Operator 1 Old Condensed Impact Old Full Impact New Full Impact	26 Old Param. 1 ID 14 Old Param. 2 ID 3000 0 < New Opt. 1 Precipitation and R Any occurrence of ID Any occurrence of ID Cavalry Division, 19	visibility rain New Va New Va Changed O educed Visibility rain and visibility <= 4 rain and visibility <= 4	New Param. 2 ID alue 1 30 alue 2 ppt. 1? N Old Opt. 2 w Condensed pact 1.8 miles (3000 m) sev 1.8 miles (3000 m) sev	Rain 000 meters None New Opt. 2 cain and Low Visibilit erely decreases the feether d	Changed Param. 1? N Changed Param. 2? N Changed Value 1? N Changed Value 2? Y > Changed Opt. 2 N y Changed Condensed Impact? Y target acquisition range.
Parameter 2 # Old Value 1 Old Value 2 Old Operator 1 Old Condensed Impact Old Full Impact New Full Impact Old Source (1s New Source/ Reason for	Old Param. 1 ID 14 Old Param. 2 ID 3000 New Opt. 1 Precipitation and R Any occurrence of Id Any occurrence of Id Cavalry Division, 19 "Quantitative vs. Qu	visibility rain New Va New Va Changed O educed Visibility rain and visibility <= 4 rain and visibility <= 4	New Param. 2 ID alue 1 30 alue 2 ppt. 1? N Old Opt. 2 w Condensed pact 1.8 miles (3000 m) sev 1.8 miles (3000 m) sev	Rain 000 meters None New Opt. 2 cain and Low Visibilit erely decreases the feether d	Changed Param. 17 N Changed Param. 27 N Changed Value 1? N Changed Value 2? Y > Changed Opt. 2 N y Changed Condensed Impact? Y target acquisition range. Changed Full Impact? N

ID # 61 Component Name THERMAL SIGHT Rule 1 # 128 Rule 2 # 128 Delete Rule? N
Old Color 2 New Color 2 Changed Color? N Parameter 1 # 26 Old Param. 1 ID visibility New Param. 1 ID Visibility Changed Param. 1 N
Parameter 2 # 7 Old Param. 2 ID drizzle New Param. 2 ID Drizzle Changed Param. 2 N
Old Value 1 3000 New Value 1 3000 meters Changed Value 1? N
Old Value 2 0 New Value 2 None Changed Value 2? Y
Old Operator 1
Old Condensed
Impact Impact Condensed Impact?
Old Full Impact Any occurrence of drizzle and visibility <= 1.8 miles (3000 m) severely decreases the target acquisition range.
New Full Impact Any occurrence of drizzle and visibility <= 1.8 miles (3000 m) severely decreases the target acquisition range.
Changed Full Impact? N
Old Source (1st Cavalry Division, 1992);
New Source/ Reason for Delete "Quantitative vs. Qualitative Tactical Decision Aids: Is There a Difference?" Dr. R. Shirkey, Dec 1997, ARL, WSMR, NM.
Comments
Changed Source? Y Are There Any (2) Options? Y Any Change to Record? Y
ID# 62 Component Name THERMAL SIGHT Rule 1 # 129 Rule 2 # 129 Delete Rule? N
Old Color 1 New Color 1 Changed Color? N
Parameter 1 # 26 Old Param. 1 ID visibility New Param. 1 ID Visibility Changed Param. 1? N
Parameter 2 # 7 Old Param. 2 ID drizzle New Param. 2 ID Drizzle Changed Param. 2? N
Old Value 1 4000 New Value 1 5000 meters Changed Value 1? Y
Old Value 2 None Changed Value 2? Y
Old Operator 1
Old Condensed Impact Old Condensed Impact
Old Full Impact Any occurrence of drizzle and visibility <= 2.5 miles (4000 m) decreases the target acquisition range.
New Full Impact Any occurrence of drizzle and visibility <= 3.1 miles (5000 m) decreases the target acquisition range.
Now I all impact. Any occurrence of an action and vicinity.
Changed Full Impact? Y
Changed Full impact: 1
Old Source (1st Cavalry Division, 1992);
New Source/ Reason for "Quantitative vs. Qualitative Tactical Decision Aids: Is There a Difference?" Dr. R. Shirkey, Dec 1997, ARL, WSMR, NM.
New Source/ "Quantitative vs. Qualitative Tactical Decision Aids: Is There a Difference?" Dr. R. Shirkey, Dec 1997, ARL,
New Source/ Reason for Delete "Quantitative vs. Qualitative Tactical Decision Aids: Is There a Difference?" Dr. R. Shirkey, Dec 1997, ARL, WSMR, NM.

ID# 63 Component Name THERMAL SIGHT Rule 1 # 130 Rule 2 # 130 Delete Rule? N
Old Color 1 New Color 1 Changed Color? N
Parameter 1 # 26 Old Param. 1 ID visibility New Param. 1 ID Visibility Changed Param. 1? N
Parameter 2 # 14 Old Param. 2 ID rain New Param. 2 ID Rain Changed Param. 2? N
Old Value 1 4000 New Value 1 5000 meters Changed Value 1? Y
Old Value 2 0 New Value 2 None Changed Value 2? Y
Old Operator 1
Old Condensed Impact Precipitation and Reduced Visibility New Condensed Impact Rain and Reduced Visibility Changed Condensed Impact Condensed Impact
Old Full Impact Any occurrence of rain and visibility <= 2.5 miles (4000 m) decreases the target acquisition range.
New Full Impact Any occurrence of rain and visibility <= 3.1 miles (5000 m) decreases the target acquisition range.
Changed Full Impact? Y Old Source (1st Cavalry Division, 1992);
New Source/ "Quantitative vs. Qualitative Tactical Decision Aids: Is There a Difference?" Dr. R. Shirkey, Dec 1997, ARL,
Reason for Delete WSMR, NM.
Comments
Changed Source? Y Are There Any (2) Options? Y Any Change to Record? Y
ID# 64 Component Name THERMAL SIGHT Rule 1 # 131 Rule 2 # 131 Delete Rule? N
Old Color 1 New Color 1 Changed Color? N Parameter 1 # 26 Old Param. 1 ID visibility New Param. 1 ID Visibility Changed Param. 1? N
Parameter 2 # 17 Old Param. 2 ID snow New Param. 2 ID Snow Changed Param. 2 N
Old Value 1 4000 New Value 1 4000 meters Changed Value 1? N
Old Value 2 0 New Value 2 None Changed Value 2? Y
Old Operator 1
Old Condensed Snow and Reduced Visibility New Condensed Snow and Low Visibility Changed
Impact Impact Show and Reduced Visibility Impact Condensed Impact Condensed Impact
Old Full Impact Any occurrence of snow and visibility <= 2.5 miles (4000 m) decreases the target acquisition range.
New Full Impact Any occurrence of snow and visibility <= 2.5 miles (4000 m) decreases the target acquisition range.
Changed Full Impact? N
Old Source (1st Cavalry Division, 1992);
New Source/ Reason for Delete "Quantitative vs. Qualitative Tactical Decision Aids: Is There a Difference?" Dr. R. Shirkey, Dec 1997, ARL, WSMR, NM.
Comments

ID # 65 Component Name THERMAL SIGHT Rule 1 # 132 Rule 2 # 132 Delete Rule?	_
ID# 65 Component Name THERMAL SIGHT Rule 1 # 132 Rule 2 # 132 Delete Rule?	V
Old Color 1 New Color 1 Changed Color?	1
Parameter 1 # 26 Old Param. 1 ID visibility New Param. 1 ID Visibility Changed Param. 1?	1
Parameter 2 # 1 Old Param. 2 ID blowingsand New Param. 2 ID Blowing Sand Changed Param. 2? N	1
Old Value 1 4000 New Value 1 4000 meters Changed Value 1?	1
Old Value 2 None Changed Value 2?	1
Old Operator 1	1
Old Condensed Impact Blowing Sand New Condensed Impact Blowing Sand Changed Condensed Impact?	٧
Old Full Impact Any occurrence of blowing sand and visibility <= 2.5 miles (4000 m) decreases the target acquisition range.	
New Full Impact Any occurrence of blowing sand and visibility <= 2.5 miles (4000 m) decreases the target acquisition range.	
Changed Full Impact?	٧
Old Source (1st Cavalry Division, 1992);	
New Source/ Reason for Delete "Quantitative vs. Qualitative Tactical Decision Aids: Is There a Difference?" Dr. R. Shirkey, Dec 1997, ARL, WSMR, NM.	
Comments	
Changed Source? Y Are There Any (2) Options? Y Any Change to Record?	Y
onlinged doubles: 1	
	_
	N
Old Color 1 New Color 1 Changed Color?	N
Old Color 1 New Color 1 Changed Color? Parameter 1 # 26 Old Param. 1 ID visibility New Param. 1 ID Visibility Changed Param. 1?	N
Old Color 1 New Color 1 Changed Color? Parameter 1 # 26 Old Param. 1 ID visibility New Param. 1 ID Visibility Changed Param. 1? I Parameter 2 # 9 Old Param. 2 ID fog New Param. 2 ID Fog Changed Param. 2? I	X X
Old Color 1 New Color 1 Changed Color? Parameter 1 # 26 Old Param. 1 ID visibility New Param. 1 ID Visibility Changed Param. 1? Parameter 2 # 9 Old Param. 2 ID fog New Param. 2 ID Fog Changed Param. 2? Old Value 1 4000 New Value 1 4000 meters Changed Value 1?	Z Z Z
Old Color 1 New Color 1 Parameter 1 # 26 Old Param. 1 ID visibility New Param. 1 ID Visibility Changed Param. 1? I Parameter 2 # 9 Old Param. 2 ID fog New Param. 2 ID Fog Changed Param. 2? I Old Value 1 4000 New Value 1 4000 meters Changed Value 1? I Old Value 2 1 New Value 2 None Changed Value 2?	Z Z Z Y
Old Color 1 New Color 1 Parameter 1 # 26 Old Param. 1 ID visibility New Param. 1 ID Visibility Changed Param. 1? Parameter 2 # 9 Old Param. 2 ID fog New Param. 2 ID Fog Changed Param. 2? Old Value 1 4000 New Value 1 4000 meters Changed Value 1? Old Value 2 1 New Value 2 None Changed Value 2? Old Operator 1 < New Opt. 1 < Changed Opt. 1? N Old Opt. 2 = New Opt. 2 > Changed Opt. 2	Z Z Z
Old Color 1 New Color 1 Parameter 1 # 26 Old Param. 1 ID visibility New Param. 1 ID Visibility Changed Param. 1? I Parameter 2 # 9 Old Param. 2 ID fog New Param. 2 ID Fog Changed Param. 2? I Old Value 1 4000 New Value 1 4000 meters Changed Value 1? I Old Value 2 1 New Opt. 1 Changed Opt. 1? N Old Opt. 2 = New Opt. 2 > Changed Opt. 2	Z Z Z Y
Old Color 1 New Color 1 Parameter 1 # 26 Old Param. 1 ID visibility New Param. 1 ID Visibility Changed Param. 1? IP Parameter 2 # 9 Old Param. 2 ID fog New Param. 2 ID Fog Changed Param. 2? IP Old Value 1 4000 New Value 1 4000 meters Changed Value 1? IP Old Value 2 1 New Value 2 None Changed Value 2? IP Old Operator 1 < New Opt. 1 < Changed Opt. 1? IN Old Opt. 2 = New Opt. 2 > Changed Opt. 2 IP Old Condensed Fog and Reduced Visibility New Condensed Fog and Low Visibility Changed	
Old Color 1 New Color 1 Parameter 1 # 26 Old Param. 1 ID visibility New Param. 1 ID Visibility Changed Param. 1? IP Parameter 2 # 9 Old Param. 2 ID fog New Param. 2 ID Fog Changed Param. 2? IP Old Value 1 4000 New Value 1 4000 meters Changed Value 1? IP Old Value 2 1 New Opt. 1 < Changed Opt. 1? N Old Opt. 2 = New Opt. 2 > Changed Opt. 2 IP Old Condensed Impact Program Reduced Visibility New Condensed Impact Condensed Condensed Impact Condense Condensed Impact Condensed Impact Condense Condense Condense Co	
Old Color 1 New Color 1 Parameter 1 # 26 Old Param. 1 ID visibility New Param. 1 ID Visibility Changed Param. 1? I Parameter 2 # 9 Old Param. 2 ID fog New Param. 2 ID Fog Changed Param. 2? I Old Value 1 4000 New Value 1 4000 meters Changed Value 1? I Old Value 2 1 New Value 2 None Changed Value 2? I Old Operator 1 < New Opt. 1 < Changed Opt. 1? N Old Opt. 2 = New Opt. 2 > Changed Opt. 2 Old Condensed Impact Fog and Reduced Visibility New Condensed Impact Condensed Impact?	
Old Color 1 New Color 1 Parameter 1 # 26 Old Param. 1 ID visibility New Param. 1 ID Visibility Changed Param. 1? Parameter 2 # 9 Old Param. 2 ID fog New Param. 2 ID Fog Changed Param. 2? Old Value 1 4000 meters Changed Value 1? I New Value 2 None Changed Value 2? Old Operator 1 < New Opt. 1 < Changed Opt. 1? N Old Opt. 2 = New Opt. 2 > Changed Opt. 2 Old Condensed Impact Old Condensed Impact Any occurrence of fog and visibility <= 2.5 miles (4000 m) decreases the target acquisition range. Any occurrence of fog and visibility <= 2.5 miles (4000 m) decreases the target acquisition range.	
Old Color 1 New Color 1 Parameter 1 # 26 Old Param. 1 ID visibility New Param. 1 ID Visibility Changed Param. 1? IP Parameter 2 # 9 Old Param. 2 ID fog New Param. 2 ID Fog Changed Param. 2? IP Old Value 1 4000 New Value 1 4000 meters Changed Value 1? IP Old Value 2 1 New Opt. 1 < Changed Opt. 1? N Old Opt. 2 = New Opt. 2 > Changed Opt. 2 IP Old Condensed Impact Program Reduced Visibility New Condensed Impact Condensed Condensed Impact Condense Con	
Old Color 1 New Color 1 Parameter 1 # 26 Old Param. 1 ID visibility New Param. 1 ID Visibility Changed Param. 1? Parameter 2 # 9 Old Param. 2 ID fog New Param. 2 ID Fog Changed Param. 2? Old Value 1 4000 New Value 1 4000 meters Changed Value 1? Old Value 2 1 New Value 2 None Changed Value 2? Old Operator 1 < New Opt. 1 < Changed Opt. 1? Nold Opt. 2 = New Opt. 2 > Changed Opt. 2 Old Condensed Impact Program Any occurrence of fog and visibility New Condensed Impact Fog and Low Visibility Changed Condensed Impact Condensed Impact Changed Fog and visibility Changed Condensed Impact? Changed Full Impact Changed Full Impact Changed Full Impact? Changed Full Imp	
Old Color 1 New Color 1 Parameter 1 # 26 Old Param. 1 ID visibility New Param. 1 ID Visibility Changed Param. 1? Parameter 2 # 9 Old Param. 2 ID fog New Param. 2 ID Fog Changed Param. 2? Old Value 1 4000 New Value 1 4000 meters Changed Value 1? Old Value 2 1 New Opt. 1 < Changed Opt. 1? Nold Opt. 2 = New Opt. 2 > Changed Opt. 2 Old Condensed Impact Pog and Reduced Visibility New Condensed Impact Pog and Low Visibility Changed Condensed Impact Any occurrence of fog and visibility <= 2.5 miles (4000 m) decreases the target acquisition range. Old Source (1st Cavalry Division, 1992); New Source/ Reason for "Quantitative vs. Qualitative Tactical Decision Aids: Is There a Difference?" Dr. R. Shirkey, Dec 1997, ARL, WSMR, NM.	

ID# 67 C	omponent Name	TOW-COMMON	Rule 1#	7 Rule 2#	Delete Rule? N
Old Color 2	New Color 2			C	hanged Color? N
Parameter 1 #	22 Old Param. 1 ID	temperature New	Param. 1 ID Minimum	Temperature	Changed Param. 1? Y
Parameter 2 #	Old Param. 2 ID	New	Param. 2 ID		Changed Param. 27
Old Value 1	-25	New Value 1	- 25 F		Changed Value 1? N
Old Value 2		New Value 2			Changed Value 2?
Old Operator 1	<= New Opt. 1 <=	Changed Opt. 1? N	Old Opt. 2 Nev	Opt. 2	Changed Opt. 2
Old Condensed Impact	Cold	New Conder	nsed Extreme	Cold	Changed Condensed Impact?
Old Full Impact	Temperatures <= -25 F exc	eed the minimum oper	ating range.		
New Full Impact	Temperatures <= -25 F exc	eed the minimum oper	ating range		
_				Ch	anged Full Impact? N
Old Source (1s	t Cavalry Division, 1992);				
New Source/ Reason for Delete	TM 9-1425-472-12, para 2-75	i, Jan 80			
Comments					
Changed Source	? Y	Are There Any (2)) Options? N	Any Cl	hange to Record?
ID# 68 C	omponent Name	TOW-COMMON	Rule 1 #	9 Rule 2 #	Delete Rule? Y
ID# 68 C	omponent Name New Color	TOW-COMMON	Rule 1 #		Delete Rule? Y
Old Color 1	New Color		Rule 1 #	Ch	
Old Color 1	New Color	emperature New		Ch	nanged Color?
Old Color 1 Parameter 1 #	New Color 22 Old Param. 1 ID	emperature New	Param. 1 ID	Cr	nanged Color?
Old Color 1 Parameter 1 #Parameter 2 #	New Color 22 Old Param. 1 ID Old Param. 2 ID	temperature New New	Param. 1 ID	Cr	nanged Color? Changed Param. 1? Changed Param. 2?
Old Color 1 Parameter 1 # Parameter 2 # Old Value 1	New Color 22 Old Param. 1 ID Old Param. 2 ID	temperature New New New Value 1	Param. 1 ID Param. 2 ID	Cr	nanged Color? Changed Param. 1? Changed Param. 2? Changed Value 1?
Old Color 1 Parameter 1 # Parameter 2 # Old Value 1 Old Value 2	New Color 22 Old Param. 1 ID Old Param. 2 ID -20	temperature New New New Value 1 New Value 2	Param. 1 ID Param. 2 ID Old Opt. 2 New	Cr	nanged Color? Changed Param. 1? Changed Param. 2? Changed Value 1? Changed Value 2?
Old Color 1 Parameter 1 # Parameter 2 # Old Value 1 Old Value 2 Old Operator 1 Old Condensed	New Color 22 Old Param. 1 ID 1 Old Param. 2 ID -20 -20	New Value 2 Changed Opt. 1? New Conder Impact	Param. 1 ID Param. 2 ID Old Opt. 2 New	Cr Opt. 2	changed Color? Changed Param. 1? Changed Param. 2? Changed Value 1? Changed Value 2? Changed Opt. 2 changed changed condensed Impact?
Old Color 1 Parameter 1 # Parameter 2 # Old Value 1 Old Value 2 Old Operator 1 Old Condensed Impact	New Color 22 Old Param. 1 ID Old Param. 2 ID -20 <= New Opt. 1 Cold Temperatures <= -20 F may	New Value 2 Changed Opt. 1? New Conder Impact	Param. 1 ID Param. 2 ID Old Opt. 2 New	Cr Opt. 2	changed Color? Changed Param. 1? Changed Param. 2? Changed Value 1? Changed Value 2? Changed Opt. 2 changed changed condensed Impact?
Old Color 1 Parameter 1 # Parameter 2 # Old Value 1 Old Value 2 Old Operator 1 Old Condensed Impact Old Full Impact	New Color 22 Old Param. 1 ID Old Param. 2 ID -20 <= New Opt. 1 Cold Temperatures <= -20 F may	New Value 2 Changed Opt. 1? New Conder Impact	Param. 1 ID Param. 2 ID Old Opt. 2 New	Cr Opt. 2	changed Color? Changed Param. 1? Changed Param. 2? Changed Value 1? Changed Value 2? Changed Opt. 2 changed changed condensed Impact?
Old Color 1 Parameter 1 # Parameter 2 # Old Value 1 Old Value 2 Old Operator 1 Old Condensed Impact Old Full Impact New Full Impact	New Color 22 Old Param. 1 ID Old Param. 2 ID -20 <= New Opt. 1 Cold Temperatures <= -20 F may danger.	New Value 2 Changed Opt. 1? New Conder Impact	Param. 1 ID Param. 2 ID Old Opt. 2 New	Opt. 2 C	changed Color? Changed Param. 1? Changed Param. 2? Changed Value 1? Changed Value 2? Changed Opt. 2 changed changed condensed Impact?
Old Color 1 Parameter 1 # Parameter 2 # Old Value 1 Old Value 2 Old Operator 1 Old Condensed Impact Old Full Impact New Full Impact Old Source (1st	New Color 22 Old Param. 1 ID Old Param. 2 ID -20 <= New Opt. 1 Cold Temperatures <= -20 F may danger. Cavalry Division, 1992);	New Value 1 New Value 2 Changed Opt. 1? New Conden Impact Produce an ice fog from	Param. 1 ID Param. 2 ID Old Opt. 2 New seed Om the engine's plume the	Opt. 2 C	changed Param. 1? Changed Param. 2? Changed Value 1? Changed Value 2? Changed Opt. 2 hanged ondensed Impact? e operator to greater
Old Color 1 Parameter 1 # Parameter 2 # Old Value 1 Old Value 2 Old Operator 1 Old Condensed Impact Old Full Impact New Full Impact Old Source (1st	New Color 22 Old Param. 1 ID Old Param. 2 ID -20 <= New Opt. 1 Cold Temperatures <= -20 F may danger.	New Value 1 New Value 2 Changed Opt. 1? New Conden Impact Produce an ice fog from	Param. 1 ID Param. 2 ID Old Opt. 2 New seed Om the engine's plume the	Opt. 2 C	changed Param. 1? Changed Param. 2? Changed Value 1? Changed Value 2? Changed Opt. 2 hanged ondensed Impact? e operator to greater
Old Color 1 Parameter 1 # Parameter 2 # Old Value 1 Old Value 2 Old Operator 1 Old Condensed Impact Old Full Impact New Full Impact Old Source (1st New Source/ Reason for	New Color 22 Old Param. 1 ID Old Param. 2 ID -20 <= New Opt. 1 Cold Temperatures <= -20 F may danger. Cavalry Division, 1992);	New Value 1 New Value 2 Changed Opt. 1? New Conden Impact Produce an ice fog from	Param. 1 ID Param. 2 ID Old Opt. 2 New seed Om the engine's plume the	Opt. 2 C	changed Param. 1? Changed Param. 2? Changed Value 1? Changed Value 2? Changed Opt. 2 hanged ondensed Impact? e operator to greater

ID# 69 Component Name TOW-COMMON Rule 1 # 35 Rule 2 # Delete Rule? N
Old Color 1 New Color 1 Changed Color? N
Parameter 1 # 26 Old Param. 1 ID visibility New Param. 1 ID Visibility Changed Param. 1? N
Parameter 2 # Old Param. 2 ID New Param. 2 ID Changed Param. 2?
Old Value 1 3200 New Value 1 3750 meters Changed Value 1? Y
Old Value 2
Old Operator 1 <= New Opt. 1 < Changed Opt. 1? Y Old Opt. 2 New Opt. 2 Changed Opt. 2
Old Condensed Impact Reduced Visibility New Condensed Impact Low Visibility Changed Condensed Impact?
Old Full Impact Visibility < 2.0 miles (3200 m) reduces the maximum effective range.
New Full Impact Visibility < 2.3 miles (3750 m) reduces the effective range.
Changed Full Impact? Y
Old Source (1st Cavalry Division, 1992);
New Source/ Reason for Delete
Comments
Changed Source? Y Are There Any (2) Options? N Any Change to Record? Y
ID# 70 Component Name TOW-COMMON Rule 1 # 37 Rule 2 # Delete Rule? N
ID # 70 Component Name
Old Color 2 New Color 2 Changed Color? N
Old Color 2 New Color 2 Changed Color? N
Old Color 2 New Color 2 Changed Color? N Parameter 1 # 26 Old Param. 1 ID visibility New Param. 1 ID Visibility Changed Param. 1? N
Old Color 2 New Color 2 Changed Color? N Parameter 1 # 26 Old Param. 1 ID visibility New Param. 1 ID Visibility Changed Param. 1? N Parameter 2 # Old Param. 2 ID New Param. 2 ID Changed Param. 2?
Old Color 2 New Color 2 Changed Color? N Parameter 1 # 26 Old Param. 1 ID visibility New Param. 1 ID Visibility Changed Param. 1? N Parameter 2 # Old Param. 2 ID New Param. 2 ID Changed Param. 2? Old Value 1 1000 New Value 1 1000 meters Changed Value 1? N
Old Color 2 New Color 2 Changed Color? N Parameter 1 # 26 Old Param. 1 ID visibility New Param. 1 ID Visibility Changed Param. 1? N Parameter 2 # Old Param. 2 ID New Param. 2 ID Changed Param. 2? Old Value 1 1000 New Value 1 1000 meters Changed Value 1? N Old Value 2 Changed Value 2?
Old Color 2 New Color 2 Changed Color? N Parameter 1 # 26 Old Param. 1 ID visibility New Param. 1 ID Visibility Changed Param. 1? N Parameter 2 # Old Param. 2 ID New Param. 2 ID Changed Param. 2? Old Value 1 1000 New Value 1 1000 meters Changed Value 1? N Old Value 2 New Opt. 1 Changed Opt. 1? N Old Opt. 2 New Opt. 2 Changed Opt. 2 Old Condensed Reduced Visibility New Condensed Very Low Visibility Changed
Old Color 2 New Color 2 New Color 2 Changed Color? N Parameter 1 # 26 Old Param. 1 ID visibility New Param. 1 ID Visibility Changed Param. 1? N Parameter 2 # Old Param. 2 ID Changed Param. 2? Old Value 1 1000 New Value 1 1000 meters Changed Value 1? N Old Value 2 New Opt. 1 Changed Opt. 1? N Old Opt. 2 New Opt. 2 Changed Opt. 2 Old Condensed Reduced Visibility New Condensed Very Low Visibility Changed Impact? Y
Old Color 2 New Color 2 New Color 2 Changed Color? N Parameter 1 # 26 Old Param. 1 ID visibility New Param. 1 ID Visibility Changed Param. 1? N Parameter 2 # Old Param. 2 ID Changed Param. 2? Old Value 1 1000 New Value 1 1000 meters Changed Value 1? N Old Value 2 New Opt. 1 Changed Opt. 1? N Old Opt. 2 New Opt. 2 Changed Opt. 2 Old Condensed Reduced Visibility New Condensed Very Low Visibility Changed Impact? Y
Old Color 2 New Color 2 New Color 2 Changed Color? N Parameter 1 # 26 Old Param. 1 ID visibility New Param. 1 ID Visibility Changed Param. 1? N Parameter 2 # Old Param. 2 ID New Param. 2 ID Changed Param. 2? Old Value 1 1000 New Value 1 1000 meters Changed Value 1? N Old Value 2 New Opt. 1 Changed Opt. 1? N Old Opt. 2 New Opt. 2 Changed Opt. 2 Old Condensed Impact Param. 2? Old Condensed Impact Very Low Visibility Changed Condensed Impact? Old Full Impact Visibility O.6 mile (1000 m) significantly reduces the time required for the TOW to arm itself.
Old Color 2 New Color 2 New Color 2 Changed Color? N Parameter 1 # 26 Old Param. 1 ID visibility New Param. 1 ID Visibility Changed Param. 1 R Parameter 2 # Old Param. 2 ID New Param. 2 ID Changed Param. 2 ID Changed Param. 2 ID Changed Param. 2 ID Changed Value 1 R Old Value 1 1000 New Value 1 1000 meters Changed Value 1 R Old Value 2 Changed Opt. 2 Changed Opt. 2 Changed Opt. 2 Changed Impact Visibility New Condensed Impact Very Low Visibility Changed Condensed Impact Visibility Visibili
Old Color 2 New Color 2 New Color 2 Changed Color? N Parameter 1 # 26 Old Param. 1 ID visibility New Param. 1 ID Visibility Changed Param. 17 N Parameter 2 # Old Param. 2 ID New Param. 2 ID Changed Param. 27 Old Value 1 1000 New Value 1 1000 meters Changed Value 1? N Old Value 2 New Opt. 1 < Changed Opt. 1? N Old Opt. 2 New Opt. 2 Changed Opt. 2 Old Condensed Impact Reduced Visibility New Condensed Impact Very Low Visibility Changed Condensed Impact? Y Old Full Impact Visibility < 0.6 mile (1000 m) significantly reduces the time required for the TOW to arm itself. New Full Impact Changed Full Impact? Y Changed Full Impact? Y
Old Color 2 New Color 2 Changed Color? N Parameter 1 # 26 Old Param. 1 ID visibility New Param. 1 ID Visibility Changed Param. 1 N Parameter 2 # Old Param. 2 ID New Param. 2 ID Changed Param. 2 Old Value 1 1000 New Value 1 1000 meters Changed Value 1? N Old Value 2 New Opt. 1 Changed Opt. 1? N Old Opt. 2 New Opt. 2 Changed Opt. 2 Old Condensed Impact Reduced Visibility New Condensed Impact Visibility Changed Condensed Impact Visibility
Old Color 2 New Color 2 New Color 2 Changed Color? N Parameter 1 # 26 Old Param. 1 ID visibility New Param. 1 ID Visibility Changed Param. 1? N Parameter 2 # Old Param. 2 ID New Param. 2 ID Changed Param. 2? Old Value 1 1000 New Value 1 1000 meters Changed Value 1? N Old Value 2 New Opt. 1 < Changed Opt. 1? N Old Opt. 2 New Opt. 2 Changed Opt. 2 Old Condensed Impact Reduced Visibility New Condensed Impact Very Low Visibility Changed Condensed Impact Condensed Impact Visibility < 0.6 mile (1000 m) significantly reduces the time required for the TOW to arm itself. New Full Impact Visibility < 0.6 miles (1000 m) significantly reduces the time available for the operator to accurately aim and control the missile. Changed Full Impact? Y Old Source (1st Cavalry Division, 1992); New Source/ Reason for Delete

ID# 71 Co							
00	mponent Name	TOW-COMMON		Rule 1 # 63	Rule 2#	Delete Rule?	N
Old Color 2	New Color 2				Ct	nanged Color?	N
Parameter 1 #	Old Param. 1 ID sui	rfacewindspeed Ne	ew Param. 1 ID	Surface Wind	Speed	Changed Param. 1?	N
Parameter 2 #	Old Param. 2 ID	Ne	ew Param. 2 ID			Changed Param. 2?	
Old Value 1	30	New Value 1		35 kts.		Changed Value 1?	Y
Old Value 2		New Value 2				Changed Value 2?	
Old Operator 1	>= New Opt. 1 >	Changed Opt. 1?	Y Old Opt. 2	New Opt.	2	Changed Opt. 2	
Old Condensed [mpact	Surface Wind	New Cond Impact	densed	Strong Surface Wi	nd C	hanged ondensed Impact?	Υ
Old Full Impact	When surface winds acros	s the direction of flig	ht are >= 30 kt	s, tracking the targ			
							_
New Full Impact	When the surface winds ar	re > 35 kts tracking th	ne target is very	difficult because	of launch to	ube vibration.	
					Cha	anged Full Impact?	Υ
	Cavalry Division, 1992);						
New Source/ Reason for Delete	M 23-34, Para 2-79, Aug 94	1					
Comments							
Changed Source?	Y	Are There Any	(2) Options?	N	Any Ch	ange to Record?	Y
· ·		•			,		
							_
	mponent Name	TOW-COMMON		Rule 1 # 64	Rule 2#	Delete Rule?	N
Old Color 1	New Color 1				Ch	anged Color?	N
Parameter 1 # 2			_				N
_			w Param. 1 ID	Surface Wind S		Changed Param. 1?	=
Parameter 2 #	Old Param. 2 ID	Ne	w Param. 1 ID			Changed Param. 2?	
Old Value 1		New Value 1	_	Surface Wind S		Changed Param. 2?	=
Old Value 1	Old Param. 2 ID	New Value 1 New Value 2	w Param. 2 ID			Changed Param. 2?	
Old Value 1	Old Param. 2 ID	New Value 1 New Value 2	_			Changed Param. 2?	
Old Value 1	Old Param. 2 ID	New Value 1 New Value 2	w Param. 2 ID N Old Opt. 2	25 kts.	2 C	Changed Param. 27 Changed Value 1? Changed Value 2? Changed Opt. 2	
Old Value 1 Old Value 2 Old Operator 1 Old Condensed Impact	Old Param. 2 ID 15 New Opt. 1 >	New Value 1 New Value 2 Changed Opt. 1? [New Cond Impact	N Old Opt. 2	25 kts. New Opt. 2 Surface Wind	2 Cr	Changed Param. 27 Changed Value 1? Changed Value 2? Changed Opt. 2 anged ondensed Impact?	Y
Old Value 1 Old Value 2 Old Operator 1 Old Condensed Impact Old Full Impact	Old Param. 2 ID 15 New Opt. 1 > Surface Wind When surface winds across	New Value 1 New Value 2 Changed Opt. 1? New Cond Impact s the direction of flig	N Old Opt. 2 ensed ht are >= 15 kts	25 kts. New Opt.: Surface Wind , tracking the targ	2 Ch	Changed Param. 2? Changed Value 1? Changed Value 2? Changed Opt. 2 nanged ondensed Impact?	Y
Old Value 1 Old Value 2 Old Operator 1 Old Condensed Impact Old Full Impact New Full Impact	Old Param. 2 ID 15 New Opt. 1 > Surface Wind	New Value 1 New Value 2 Changed Opt. 1? New Cond Impact s the direction of flig	N Old Opt. 2 ensed ht are >= 15 kts	25 kts. New Opt.: Surface Wind , tracking the targ	2 Ch	Changed Param. 2? Changed Value 1? Changed Value 2? Changed Opt. 2 nanged ondensed Impact?	Y
Old Value 1 Old Value 2 Old Operator 1 Old Condensed Impact Old Full Impact New Full Impact	Old Param. 2 ID 15 New Opt. 1 > Surface Wind When surface winds across When surface winds across	New Value 1 New Value 2 Changed Opt. 1? New Cond Impact s the direction of flig	N Old Opt. 2 ensed ht are >= 15 kts	25 kts. New Opt.: Surface Wind , tracking the targ	Chet is difficult	Changed Param. 2? Changed Value 1? Changed Value 2? Changed Opt. 2 nanged ondensed Impact? It. because of launch	Y
Old Value 1 Old Value 2 Old Operator 1 Old Condensed Impact Old Full Impact New Full Impact t	Old Param. 2 ID 15 New Opt. 1 > Surface Wind When surface winds across When surface winds across ube vibration.	New Value 1 New Value 2 Changed Opt. 1? New Cond Impact s the direction of flig	N Old Opt. 2 ensed ht are >= 15 kts	25 kts. New Opt.: Surface Wind , tracking the targ	Chet is difficult	Changed Param. 2? Changed Value 1? Changed Value 2? Changed Opt. 2 nanged ondensed Impact?	Y
Old Value 1 Old Value 2 Old Operator 1 Old Condensed Impact Old Full Impact New Full Impact t Old Source (1st 6)	Old Param. 2 ID 15 New Opt. 1 > Surface Wind When surface winds across ube vibration. Cavalry Division, 1992);	New Value 1 New Value 2 Changed Opt. 1? New Cond Impact s the direction of flig	N Old Opt. 2 ensed ht are >= 15 kts	25 kts. New Opt.: Surface Wind , tracking the targ	Chet is difficult	Changed Param. 2? Changed Value 1? Changed Value 2? Changed Opt. 2 nanged ondensed Impact? It. because of launch	Y
Old Value 1 Old Value 2 Old Operator 1 Old Condensed Impact Old Full Impact New Full Impact t Old Source (1st 6)	Old Param. 2 ID 15 New Opt. 1 > Surface Wind When surface winds across When surface winds across ube vibration.	New Value 1 New Value 2 Changed Opt. 1? New Cond Impact s the direction of flig	N Old Opt. 2 ensed ht are >= 15 kts	25 kts. New Opt.: Surface Wind , tracking the targ	Chet is difficult	Changed Param. 2? Changed Value 1? Changed Value 2? Changed Opt. 2 nanged ondensed Impact? It. because of launch	Y
Old Value 1 Old Value 2 Old Operator 1 Old Condensed Impact Old Full Impact New Full Impact U Old Source (1st 0) New Source/ Reason for	Old Param. 2 ID 15 New Opt. 1 > Surface Wind When surface winds across ube vibration. Cavalry Division, 1992);	New Value 1 New Value 2 Changed Opt. 1? New Cond Impact s the direction of flig	N Old Opt. 2 ensed ht are >= 15 kts	25 kts. New Opt.: Surface Wind , tracking the targ	Chet is difficult	Changed Param. 2? Changed Value 1? Changed Value 2? Changed Opt. 2 nanged ondensed Impact? It. because of launch	Y

ID# 73 Component Name TOW2-COMMON Rule 1# 7 Rule 2# Delete Rule? N
Old Color 2 New Color 2 Changed Color? N
Parameter 1 # 22 Old Param. 1 ID temperature New Param. 1 ID Temperature Changed Param. 1? N
Parameter 2 # Old Param. 2 ID New Param. 2 ID Changed Param. 2?
Old Value 1 -25 New Value 1 -25 F Changed Value 1? Y
Old Value 2 Changed Value 2?
Old Operator 1 <= New Opt. 1 <= Changed Opt. 1? N Old Opt. 2 New Opt. 2 Changed Opt. 2
Old Condensed Impact Cold New Condensed Impact Extreme Cold Changed Condensed Impact?
Old Full Impact Temperatures <= -25 F exceed the minimum operating range.
New Full Impact Temperatures <= -25 F exceed the minimum operating range.
Changed Full Impact? N
Old Source (1st Cavalry Division, 1992);
New Source/ Reason for Delete TM 9-1425-472-12, Para 2-75, Jan 80 Delete
Comments
Changed Source? Y Are There Any (2) Options? N Any Change to Record? Y
ID # 74 Component Name TOW2-COMMON Rule 1 # 9 Rule 2 # Delete Rule? Y
ID # 74 Component Name TOW2-COMMON Rule 1 # 9 Rule 2 # Delete Rule? Y Old Color 1 New Color Changed Color? N
Old Color 1 New Color Changed Color? N
Old Color 1 New Color Changed Color? N Parameter 1 # 22 Old Param. 1 ID temperature New Param. 1 ID Changed Param. 1?
Old Color 1 New Color Changed Color? N Parameter 1 # 22 Old Param. 1 ID temperature New Param. 1 ID Changed Param. 1? Parameter 2 # Old Param. 2 ID New Param. 2 ID Changed Param. 2?
Old Color 1 New Color Changed Color? N Parameter 1 # 22 Old Param. 1 ID temperature New Param. 1 ID Changed Param. 1? Parameter 2 # Old Param. 2 ID New Param. 2 ID Changed Param. 2? Old Value 1 -20 New Value 1 Changed Value 1?
Old Color 1 New Color Changed Color? N Parameter 1 # 22 Old Param. 1 ID temperature New Param. 1 ID Changed Param. 1? Parameter 2 # Old Param. 2 ID New Param. 2 ID Changed Param. 2? Old Value 1 -20 New Value 1 Changed Value 1? Old Value 2 New Opt. 1 Changed Opt. 1? Old Opt. 2 New Opt. 2 Changed Opt. 2 Old Condensed Cold New Condensed Changed
Old Color 1 New Color Changed Color? N Parameter 1 # 22 Old Param. 1 ID temperature New Param. 1 ID Changed Param. 1? Parameter 2 # Old Param. 2 ID New Param. 2 ID Changed Param. 2? Old Value 1 -20 New Value 1 Changed Value 1? Old Value 2 New Opt. 1 Changed Opt. 1? Old Opt. 2 New Opt. 2 Changed Opt. 2 Old Condensed Cold New Condensed Changed
Old Color 1 New Color Changed Color? N Parameter 1 # 22 Old Param. 1 ID temperature New Param. 1 ID Changed Param. 1? Parameter 2 # Old Param. 2 ID New Param. 2 ID Changed Param. 2? Old Value 1 -20 New Value 1 Changed Value 1? Old Value 2 Changed Value 2? Old Operator 1 <= New Opt. 1 Changed Opt. 1? Old Opt. 2 New Opt. 2 Changed Opt. 2 Old Condensed Impact Cold Impact Condensed Impact Condensed Impact? Old Full Impact Temperatures <= -20 F may produce an ice fog from the engine's plume therby exposing the operator to greater
Old Color 1 New Color Changed Color? N Parameter 1 # 22 Old Param. 1 ID temperature New Param. 1 ID Changed Param. 1? Parameter 2 # Old Param. 2 ID New Param. 2 ID Changed Param. 2? Old Value 1 -20 New Value 1 Changed Value 1? Old Value 2 Changed Value 2? Old Operator 1 <= New Opt. 1 Changed Opt. 1? Old Opt. 2 New Opt. 2 Changed Opt. 2 Old Condensed Impact Cold New Condensed Impact Condensed Impact Condensed Impact Condensed Impact Condensed Impact Canged Canged Condensed Impact Canged
Old Color 1 New Color
Old Color 1 New Color Changed Color? N Parameter 1 # 22 Old Param. 1 ID temperature New Param. 1 ID Changed Param. 1? Parameter 2 # Old Param. 2 ID New Param. 2 ID Changed Param. 2? Old Value 1 -20 New Value 1 Changed Value 1? Old Value 2 New Opt. 1 Changed Opt. 1? Old Opt. 2 New Opt. 2 Changed Opt. 2 Old Condensed Impact Condensed Impact Condensed Impact Old Full Impact Temperatures <= -20 F may produce an ice fog from the engine's plume therby exposing the operator to greater Changed Full Impact? Changed Full Impact?
Old Color 1 New Color
Old Color 1 New Color Changed Color? N Parameter 1 # 22 Old Param. 1 ID temperature New Param. 1 ID Changed Param. 1? Parameter 2 # Old Param. 2 ID New Param. 2 ID Changed Param. 2? Old Value 1 -20 New Value 1 Changed Value 1? Old Value 2 New Opt. 1 Changed Opt. 1? Old Opt. 2 New Opt. 2 Changed Opt. 2 Old Condensed Impact Cold New Condensed Impact Condense
Old Color 1 New Color Changed Color? N Parameter 1 # 22 Old Param. 1 ID temperature New Param. 1 ID Changed Param. 1? Parameter 2 # Old Param. 2 ID New Param. 2 ID Changed Param. 2? Old Value 1 -20 New Value 1 Changed Value 1? Old Value 2 New Opt. 1 Changed Opt. 1? Old Opt. 2 New Opt. 2 Changed Value 2? Old Condensed Impact Cold New Condensed Impact Changed Full Impact? Old Source (1st Cavalry Division, 1992); New Source/ Reason for Delete Rule: Redundant with Rule ID# 73 and no reference found to - 20 F.

ID# 75 C	Component Name	TOW2-COMMO	N	Rule 1 # 35	Rule 2	# Delete Rule? N
Old Color 1	New Color 1					Changed Color? N
Parameter 1 #	26 Old Param. 1 ID	visibility	New Param. 1 ID	Visibility	<i>y</i>	Changed Param. 1? N
Parameter 2 #	Old Param. 2 ID	١	New Param. 2 ID			Changed Param. 2?
Old Value 1	3200	New Value 1	3	750 meters		Changed Value 1? Y
Old Value 2		New Value 2				Changed Value 2?
Old Operator 1	<= New Opt. 1 <	Changed Opt. 1?	Y Old Opt. 2	New Opt	2	Changed Opt. 2
Old Condensed Impact	Reduced Visibi	New Cor Impact	ndensed	Low Visibility		Changed Condensed Impact?
Old Full Impact	Visibility < 2.0 miles (320	00 m) reduces the max	ximum effective	range.		
New Full Impact	Visibility < 2.3 miles (375	io m) reduces the max	kimum effective	range.		
·	· ·					
						Changed Full Impact? Y
Old Source (1s	t Cavalry Division, 1992);	·				Changed Full Impact? Y
	FM 23-34, Para 2-79, Aug	94				
Reason for Delete						
Comments						
Changed Source	? Y	Are There Any	y (2) Options?	N	An	y Change to Record?
	148					
ID# 76 C	omponent Name	TOW2-COMMOI	N	Rule 1 # 37	Rule 2 #	# Delete Rule? N
ID# 76 C	omponent Name New Color 1		N	Rule 1 # 37	Rule 2 #	# Delete Rule? N Changed Color? Y
Old Color 2			N lew Param. 1 ID	Rule 1 # 37		
Old Color 2	New Color 1	visibility N				Changed Color? Y
Old Color 2 Parameter 1 #	New Color 1 26 Old Param. 1 ID	visibility N	lew Param. 1 ID[lew Param. 2 ID[Changed Color? Y Changed Param. 1? N
Old Color 2 Parameter 1 # Parameter 2 #	New Color 1 26 Old Param. 1 ID Old Param. 2 ID	visibility N	lew Param. 1 ID[lew Param. 2 ID[Visibility		Changed Color? Y Changed Param. 1? N Changed Param. 2?
Old Color 2 Parameter 1 # Parameter 2 # Old Value 1	New Color 1 26 Old Param. 1 ID Old Param. 2 ID	visibility N New Value 1 New Value 2	lew Param. 1 ID	Visibility		Changed Color? Changed Param. 1? N Changed Param. 2? Changed Value 1? N
Old Color 2 Parameter 1 # Parameter 2 # Old Value 1 Old Value 2 Old Operator 1 Old Condensed	New Color 1 26 Old Param. 1 ID Old Param. 2 ID 1000	visibility N New Value 1 New Value 2 Changed Opt. 1?	lew Param. 1 ID lew Param. 2 ID 10 N Old Opt. 2	Visibility 000 meters	2	Changed Color? Changed Param. 1? N Changed Param. 2? Changed Value 1? N Changed Value 2? Changed Opt. 2 Changed
Old Color 2 Parameter 1 # Parameter 2 # Old Value 1 Old Value 2 Old Operator 1 Old Condensed Impact	New Color 1 26 Old Param. 1 ID Old Param. 2 ID 1000 New Opt. 1 < Reduced Visibil	visibility N New Value 1 New Value 2 Changed Opt. 1? ity New Con	lew Param. 1 ID lew Param. 2 ID 10 N Old Opt. 2	Visibility 000 meters New Opt. Very Low Visibili	2ty	Changed Color? Changed Param. 1? N Changed Param. 2? Changed Value 1? N Changed Value 2? Changed Opt. 2 Changed Condensed Impact?
Old Color 2 Parameter 1 # Parameter 2 # Old Value 1 Old Value 2 Old Operator 1 Old Condensed	New Color 1 26 Old Param. 1 ID Old Param. 2 ID 1000	visibility N New Value 1 New Value 2 Changed Opt. 1? ity New Con	lew Param. 1 ID lew Param. 2 ID 10 N Old Opt. 2	Visibility 000 meters New Opt. Very Low Visibili	2ty	Changed Color? Changed Param. 1? N Changed Param. 2? Changed Value 1? N Changed Value 2? Changed Opt. 2 Changed Condensed Impact?
Old Color 2 Parameter 1 # Parameter 2 # Old Value 1 Old Value 2 Old Operator 1 Old Condensed Impact Old Full Impact	New Color 1 26 Old Param. 1 ID Old Param. 2 ID 1000 New Opt. 1 < Reduced Visibil	visibility N New Value 1 New Value 2 Changed Opt. 1? ity New Con Impact m) significantly redu	lew Param. 1 ID lew Param. 2 ID 10 N Old Opt. 2 Idensed ces the time req	Visibility 000 meters New Opt. Very Low Visibili	2 to arm	Changed Color? Changed Param. 1? N Changed Param. 2? Changed Value 1? N Changed Value 2? Changed Opt. 2 Changed Condensed Impact? Titself.
Old Color 2 Parameter 1 # Parameter 2 # Old Value 1 Old Value 2 Old Operator 1 Old Condensed Impact Old Full Impact	New Color 1 26 Old Param. 1 ID Old Param. 2 ID 1000 New Opt. 1 < Reduced Visibil Visibility < 0.6 mile (1000)	visibility N New Value 1 New Value 2 Changed Opt. 1? ity New Con Impact m) significantly redu	lew Param. 1 ID lew Param. 2 ID 10 N Old Opt. 2 Idensed ces the time req	Visibility 000 meters New Opt. Very Low Visibili	2 to arm	Changed Color? Changed Param. 1? N Changed Param. 2? Changed Value 1? N Changed Value 2? Changed Opt. 2 Changed Condensed Impact? Titself.
Old Color 2 Parameter 1 # Parameter 2 # Old Value 1 Old Value 2 Old Operator 1 Old Condensed Impact Old Full Impact	New Color 1 26 Old Param. 1 ID Old Param. 2 ID 1000 New Opt. 1 < Reduced Visibil Visibility < 0.6 mile (1000)	visibility N New Value 1 New Value 2 Changed Opt. 1? ity New Con Impact m) significantly redu	lew Param. 1 ID lew Param. 2 ID 10 N Old Opt. 2 Idensed ces the time req	Visibility 000 meters New Opt. Very Low Visibili	2 to arm	Changed Color? Changed Param. 1? N Changed Param. 2? Changed Value 1? N Changed Value 2? Changed Opt. 2 Changed Condensed Impact? Titself.
Old Color 2 Parameter 1 # Parameter 2 # Old Value 1 Old Value 2 Old Operator 1 Old Condensed Impact Old Full Impact New Full Impact	New Color 1 26 Old Param. 1 ID Old Param. 2 ID 1000 New Opt. 1 < Reduced Visibil Visibility < 0.6 mile (1000)	visibility N New Value 1 New Value 2 Changed Opt. 1? ity New Con Impact m) significantly redu	lew Param. 1 ID lew Param. 2 ID 10 N Old Opt. 2 Idensed ces the time req	Visibility 000 meters New Opt. Very Low Visibili	2 to arm	Changed Color? Changed Param. 1? N Changed Param. 2? Changed Value 1? N Changed Value 2? Changed Opt. 2 Changed Condensed Impact? Titself.
Old Color 2 Parameter 1 # Parameter 2 # Old Value 1 Old Value 2 Old Operator 1 Old Condensed Impact Old Full Impact New Full Impact Old Source (1st	New Color 1 26 Old Param. 1 ID 1000 1000 New Opt. 1 < Reduced Visibil Visibility < 0.6 mile (1000 Visibility < 0.6 miles (100 control the missile.	visibility New Value 1 New Value 2 Changed Opt. 1? ity New Con Impact m) significantly redu Om) significantly redu	lew Param. 1 ID lew Param. 2 ID 10 N Old Opt. 2 Idensed ces the time req	Visibility 000 meters New Opt. Very Low Visibili	2 to arm	Changed Color? Changed Param. 1? N Changed Param. 2? Changed Value 1? N Changed Value 2? Changed Opt. 2 Changed Condensed Impact? Titself.
Old Color 2 Parameter 1 # Parameter 2 # Old Value 1 Old Value 2 Old Operator 1 Old Condensed Impact Old Full Impact New Full Impact Old Source (1st	New Color 1 26 Old Param. 1 ID 1000 Old Param. 2 ID 1000 New Opt. 1 < Reduced Visibil Visibility < 0.6 mile (1000 Visibility < 0.6 miles (100 control the missile.	visibility New Value 1 New Value 2 Changed Opt. 1? ity New Con Impact m) significantly redu Om) significantly redu	lew Param. 1 ID lew Param. 2 ID 10 N Old Opt. 2 Idensed ces the time req	Visibility 000 meters New Opt. Very Low Visibili	2 to arm	Changed Color? Changed Param. 1? N Changed Param. 2? Changed Value 1? N Changed Value 2? Changed Opt. 2 Changed Condensed Impact? Titself.
Old Color 2 Parameter 1 # Parameter 2 # Old Value 1 Old Value 2 Old Operator 1 Old Condensed Impact Old Full Impact New Full Impact Old Source (1st) New Source/Reason for	New Color 1 26 Old Param. 1 ID 1000 Old Param. 2 ID 1000 New Opt. 1 < Reduced Visibil Visibility < 0.6 mile (1000 Visibility < 0.6 miles (100 control the missile.	visibility New Value 1 New Value 2 Changed Opt. 1? ity New Con Impact m) significantly redu Om) significantly redu	lew Param. 1 ID lew Param. 2 ID 10 N Old Opt. 2 Idensed ces the time req	Visibility 000 meters New Opt. Very Low Visibili	2 to arm	Changed Color? Changed Param. 1? N Changed Param. 2? Changed Value 1? N Changed Value 2? Changed Opt. 2 Changed Condensed Impact? Titself.

	· · · · · · · · · · · · · · · · · · ·				
ID# 77 Cd	omponent Name	TOW2-COMM	ION	Rule 1 # 63 Rul	e 2 # Delete Rule? N
Old Color 2	New Color	2			Changed Color? N
Parameter 1 #	21 Old Param. 1 ID	surfacewindspeed	New Param. 1 ID	Surface Wind Spe	ed Changed Param. 1? N
Parameter 2 #	Old Param. 2 ID		New Param. 2 ID		Changed Param. 2?
Old Value 1	30	New Value	1	35 kts.	Changed Value 1? Y
Old Value 2		New Value	2		Changed Value 2?
Old Operator 1	>= New Opt. 1	> Changed Opt.	1? Y Old Opt. 2	New Opt. 2	Changed Opt. 2
Old Condensed Impact	Surface V	Vind New Control Impac	Condensed t	Strong Surface Wind	Changed Condensed Impact?
Old Full Impact	When surface winds	across the direction of	flight are >= 30 kt	ts, tracking the target i	s very difficult.
			<u></u>		
New Full Impact	When surface winds	are > 35 kts tracking th	e target is very di	fficult due to launch tu	be vibration.
					Changed Full Impact?
٠	Cavalry Division, 199				
New Source/ Reason for Delete	FM 23-34, Para 2-79, A	Aug 94			
Comments					
Changed Source	? [Y]	Are There A	Any (2) Options?	N	Any Change to Record? Y
onanger cours	. [.]		, (=) -		,
ID# 78 C	omponent Name	TOW2-COMM	ION	Rule 1 # 64 Rul	e 2 # Delete Rule? N
Old Color 1	omponent Name New Color	1			Changed Color?
Old Color 1 Parameter 1 #	New Color 21 Old Param. 1 ID		New Param. 1 ID	Surface Wind Spe	Changed Color? N ed Changed Param. 1? N
Old Color 1 Parameter 1 # Parameter 2 #	New Color 21 Old Param. 1 ID Old Param. 2 ID	1 surfacewindspeed	New Param. 1 ID	Surface Wind Spe	Changed Color? N ed Changed Param. 17 N Changed Param. 27
Old Color 1 Parameter 1 # Parameter 2 # Old Value 1	New Color 21 Old Param. 1 ID	1 surfacewindspeed New Value	New Param. 1 ID New Param. 2 ID 1	Surface Wind Spe	Changed Color? N ed Changed Param. 1? N Changed Param. 2? Changed Value 1? Y
Old Color 1 Parameter 1 # Parameter 2 # Old Value 1 Old Value 2	New Color 21 Old Param. 1 ID Old Param. 2 ID 15	surfacewindspeed New Value New Value	New Param. 1 ID New Param. 2 ID 1	Surface Wind Spe 25 kts.	Changed Color? N ed Changed Param. 1? N Changed Param. 2? Changed Value 1? Y Changed Value 2?
Old Color 1 Parameter 1 # Parameter 2 # Old Value 1	New Color 21 Old Param. 1 ID Old Param. 2 ID 15 New Opt. 1	1 surfacewindspeed New Value New Value Changed Opt.	New Param. 1 ID New Param. 2 ID 1 2 1 2 2 1? N Old Opt. 2	Surface Wind Spe 25 kts.	Changed Color? N ed Changed Param. 1? N Changed Param. 2? Changed Value 1? Y Changed Value 2? Changed Opt. 2
Old Color 1 Parameter 1 # Parameter 2 # Old Value 1 Old Value 2	New Color 21 Old Param. 1 ID Old Param. 2 ID 15	1 surfacewindspeed New Value New Value Changed Opt.	New Param. 1 ID New Param. 2 ID 1 1 2 2 1? N Old Opt. 2 Condensed	Surface Wind Spe 25 kts.	Changed Color? N ed Changed Param. 1? N Changed Param. 2? Changed Value 1? Y Changed Value 2?
Old Color 1 Parameter 1 # Parameter 2 # Old Value 1 Old Value 2 Old Operator 1 Old Condensed Impact	New Color 21 Old Param. 1 ID Old Param. 2 ID 15 New Opt. 1 Surface V	1 surfacewindspeed New Value New Value > Changed Opt. Wind New C	New Param. 1 ID New Param. 2 ID 1 1 2 1 N Old Opt. 2 Condensed	Surface Wind Spe 25 kts. New Opt. 2 Surface Wind	Changed Color? N ed Changed Param. 1? N Changed Param. 2? Changed Value 1? Y Changed Value 2? Changed Opt. 2 Changed Condensed Impact?
Old Color 1 Parameter 1 # Parameter 2 # Old Value 1 Old Value 2 Old Operator 1 Old Condensed Impact Old Full Impact	New Color 21 Old Param. 1 ID Old Param. 2 ID 15 New Opt. 1 Surface W	New Value New Value New Value New Value New Value New Other New Ot	New Param. 1 ID New Param. 2 ID 1 1 1	Surface Wind Spe 25 kts. New Opt. 2 Surface Wind ts, tracking the target i	Changed Color? N ed Changed Param. 1? N Changed Param. 2? Changed Value 1? Y Changed Value 2? Changed Opt. 2 Changed Condensed Impact? S difficult.
Old Color 1 Parameter 1 # Parameter 2 # Old Value 1 Old Value 2 Old Operator 1 Old Condensed Impact Old Full Impact	New Color 21 Old Param. 1 ID Old Param. 2 ID 15 New Opt. 1 Surface W	New Value Changed Opt. New Claracter New Claract	New Param. 1 ID New Param. 2 ID 1 1 1	Surface Wind Spe 25 kts. New Opt. 2 Surface Wind ts, tracking the target i	Changed Color? N ed Changed Param. 1? N Changed Param. 2? Changed Value 1? Y Changed Value 2? Changed Opt. 2 Changed Condensed Impact? S difficult.
Old Color 1 Parameter 1 # Parameter 2 # Old Value 1 Old Value 2 Old Operator 1 Old Condensed Impact Old Full Impact	New Color 21 Old Param. 1 ID Old Param. 2 ID 15 New Opt. 1 Surface W	New Value New Value New Value New Value New Value New Other New Ot	New Param. 1 ID New Param. 2 ID 1 1 1	Surface Wind Spe 25 kts. New Opt. 2 Surface Wind ts, tracking the target i	Changed Color? N ed Changed Param. 1? N Changed Param. 2? Changed Value 1? Y Changed Value 2? Changed Opt. 2 Changed Condensed Impact? S difficult.
Old Color 1 Parameter 1 # Parameter 2 # Old Value 1 Old Value 2 Old Operator 1 Old Condensed Impact Old Full Impact New Full Impact	New Color 21 Old Param. 1 ID Old Param. 2 ID 15 > New Opt. 1 Surface V When surface winds When the surface wi	New Value New Value New Value New Value New Changed Opt. Nind New Clampace across the direction of	New Param. 1 ID New Param. 2 ID 1 1 1	Surface Wind Spe 25 kts. New Opt. 2 Surface Wind ts, tracking the target i	Changed Color? N ed Changed Param. 1? N Changed Param. 2? Changed Value 1? Y Changed Value 2? Changed Opt. 2 Changed Condensed Impact? S difficult.
Old Color 1 Parameter 1 # Parameter 2 # Old Value 1 Old Value 2 Old Operator 1 Old Condensed Impact Old Full Impact New Full Impact Old Source (1st	New Color 21 Old Param. 1 ID Old Param. 2 ID 15 New Opt. 1 Surface W	New Value New Value New Value New Value New Other Now Changed Opt. Nind New Clampac across the direction of	New Param. 1 ID New Param. 2 ID 1 1 1	Surface Wind Spe 25 kts. New Opt. 2 Surface Wind ts, tracking the target i	Changed Color? N ed Changed Param. 1? N Changed Param. 2? Changed Value 1? Y Changed Value 2? Changed Opt. 2 Changed Condensed Impact? S difficult.
Old Color 1 Parameter 1 # Parameter 2 # Old Value 1 Old Value 2 Old Operator 1 Old Condensed Impact Old Full Impact New Full Impact Old Source (1st) New Source/ Reason for	New Color 21 Old Param. 1 ID Old Param. 2 ID 15 > New Opt. 1 Surface W When surface winds When the surface wi t Cavalry Division, 19	New Value New Value New Value New Value New Other Now Changed Opt. Nind New Clampac across the direction of	New Param. 1 ID New Param. 2 ID 1 1 1	Surface Wind Spe 25 kts. New Opt. 2 Surface Wind ts, tracking the target i	Changed Color? N ed Changed Param. 1? N Changed Param. 2? Changed Value 1? Y Changed Value 2? Changed Opt. 2 Changed Condensed Impact? S difficult.
Old Color 1 Parameter 1 # Parameter 2 # Old Value 1 Old Value 2 Old Operator 1 Old Condensed Impact Old Full Impact New Full Impact Old Source (1st New Source/ Reason for Delete	New Color 21 Old Param. 1 ID Old Param. 2 ID 15 > New Opt. 1 Surface W When surface winds When the surface wi t Cavalry Division, 19	New Value New Value New Value New Value New Other Now Changed Opt. Nind New Clampac across the direction of	New Param. 1 ID New Param. 2 ID 1 1 1	Surface Wind Spe 25 kts. New Opt. 2 Surface Wind ts, tracking the target i	Changed Color? N ed Changed Param. 1? N Changed Param. 2? Changed Value 1? Y Changed Value 2? Changed Opt. 2 Changed Condensed Impact? S difficult.

ID# 79 C	omponent l	Name	TV	/DIRECT VII	EW SIG	SHT		Rule 1#	9	Rule 2	2#	Dele	ete Rule	? N
Old Color 1	Nev	w Color	1					•			Ch	anged Co	olor?	N
Parameter 1 #	22 Old F	Param. 1 ID	ten	nperature	Ne	w Param	. 1 ID	Te	mperati	ıre		Changed	Param.	17 N
Parameter 2 #	Old F	Param. 2 ID			Ne	w Param	. 2 ID				_	Changed	Param. 2	2?
Old Value 1		-20		New Va	lue 1			- 20 F				Changed	Value 17	? N
Old Value 2				New Va	lue 2						- 1	Changed	Value 27	? 🗍
Old Operator 1	<= N	ew Opt. 1	<=	Changed O	ot. 1? [N Old (Opt. 2		lew Opt.	2		Change	ed Opt. 2	2 🔲
Old Condensed Impact		Cold		Nev Imp	v Cond	ensed		Extren	ne Cold			nanged ondensed	Impact?	, N
Old Full Impact	Temperat	ures <= -20	F may c	ause interna	l foggi	ing and	reduce	imaging	capabili	ty/effe	ctiven	ess.		
New Full Impact	Temperat	ures <= -20	F may c	ause interna	ıl foggi	ing and i	reduce	imaging	capabili	ty/effe	ctiven	ess.		
	L							· · ·			Cha	nged Full	Impact?	N
Old Source (1st	Cavairy D	ivision, 199	2);									ingoa i an	impaot.	
New Source/	FM 34-81-1	, Appendix	C-6, Dec	1992										
Reason for Delete			,											
Comments				11.00										
Changed Source	? Y			Are Ther	e Any ((2) Option	ns?	N		Α	ny Ch	ange to R	lecord?	Y
.D. // CO. C				/DIDEOT \				5.1.4."		5	<i>"</i> –			
	omponent N	-	1	DIRECT VIE	W 51G	HI		Rule 1#	36	Rule 2	i		ete Rule?	
Old Color 1 Parameter 1 #		v Color aram. 1 ID [isibility	Nev	w Param	1 10		/isibility	,		anged Co Changed I		N
Parameter 2 #		aram. 2 ID	· · · · · · · · · · · · · · · · · · ·	isibility		w Param	_	<u>'</u>	risibility			Changed I		
Old Value 1		5000		New Val		w i aiaiii		00 meters				Changed \		
Old Value 2				New Val	l							Changed \		
Old Operator 1	< Ne	ew Opt. 1	<	Changed Op		N Old C	opt. 2	N	lew Opt.	2		7	d Opt. 2	
Old Condensed		Reduced Vis			/ Conde	_ ,		Reduced			Ch	anged		
Impact				Imp								ndensed	•	N
Old Full Impact	Any occur acquisition		sibility <	3.1 miles (5	000 m)	reduces	the ta	rget and	backgro	und co	ontras	t making	target	
New Full Impact	Any occur acquisitio		sibility <	3.1 miles (5	000 m)	reduces	the ta	rget and	backgro	und co	ontras	t making	target	
Old Source (1st	Cavalar D	ivision, 199	2).								Cha	nged Full	Impact?	N
<u>. </u>				ation Desir		da, !- =):ff	011 5	01		400=	A DI	
	'Quantitati NSMR, NM		tative Ta	actical Decis	ion Ai	ds: Is Th	iere a I	Difference	?" Dr. R	. Shirk	ey, De	ec 1997, <i>i</i>	ARL,	
Comments						· · ·								
											,			\perp
Changed Source?	? Y			Are There	Any (2) Option	is?	N		Α	ny Ch	ange to R	ecord?	Y

ID# 81 C		
	omponent Name TV/DIRECT VIEW SIGHT Rule 1 # 109 Rule 2 # 109 Delete Rule?	V
Old Color 1	New Color 1 Changed Color?	٧
Parameter 1 #	26 Old Param. 1 ID visibility New Param. 1 ID Visibility Changed Param. 1?	1
Parameter 2 #	7 Old Param. 2 ID drizzle New Param. 2 ID Drizzle Changed Param. 2?	V
Old Value 1	5000 New Value 1 5000 meters Changed Value 1?	N
Old Value 2	0 New Value 2 None Changed Value 2?	Y
Old Operator 1	New Opt. 1 Changed Opt. 1? N Old Opt. 2 New Opt. 2 Changed Opt. 2	N
Old Condensed Impact	Drizzle and Reduced Visibility New Condensed Impact Drizzle and Reduced Visibility Changed Condensed Impact?	N
Old Full Impact	Drizzle > light intensity and visibility < 3.1 miles (5000 m) reduces the target and background contrast making target acquisition difficult.	
New Full Impact	Any occurrence of drizzle and visibility < 3.1 miles (5000 m) reduces the target and background contrast making target acquisition difficult.	
	Changed Full Impact?	Y
	t Cavalry Division, 1992);	
	"Quantitative vs. Qualitative Tactical Decision Aids: Is There a Difference?" Dr. R. Shirkey, Dec 1997, ARL, WSMR, NM.	
Comments		
Changed Source	? Y Are There Any (2) Options? Y Any Change to Record?	Y
ID# 82 C	omponent Name TV/DIRECT VIEW SIGHT Rule 1 # 110 Rule 2 # 110 Delete Rule?	N
ID# 82 C		N
		N
Old Color 1	New Color 1 Changed Color?	N
Old Color 1 Parameter 1 #	New Color 1 Changed Color? [1 26 Old Param. 1 ID visibility New Param. 1 ID Visibility Changed Param. 1 7 14 Old Param. 2 ID Rain Changed Param. 2 7 1	N
Old Color 1 Parameter 1 # Parameter 2 #	New Color 1 Changed Color? [126 Old Param. 1 ID visibility New Param. 1 ID Visibility Changed Param. 17 ID Visibility Changed Param. 17 ID Visibility Changed Param. 17 ID Visibility Changed Param. 27 ID Rain Changed Param. 27 ID New Value 1 5000 meters Changed Value 1? ID Visibility Changed Color?	Z Z
Old Color 1 Parameter 1 # Parameter 2 # Old Value 1	New Color 1 Changed Color? [1] 26 Old Param. 1 ID visibility New Param. 1 ID Visibility Changed Param. 17 [1] 14 Old Param. 2 ID rain New Param. 2 ID Rain Changed Param. 27 [1] 5000 New Value 1 5000 meters Changed Value 1? [1] 0 New Value 2 None Changed Value 2? [1]	2 2 2
Old Color 1 Parameter 1 # Parameter 2 # Old Value 1 Old Value 2	New Color 1 Changed Color? [I	N N N Y
Old Color 1 Parameter 1 # Parameter 2 # Old Value 1 Old Value 2 Old Operator 1 Old Condensed	New Color 1 Changed Color? [I 26 Old Param. 1 ID visibility New Param. 1 ID Visibility Changed Param. 17 II Old Param. 2 ID Rain Changed Param. 27 II South Param. 2 ID Rain Changed Param. 27 II South Param. 2 ID Rain Changed Param. 27 II South Param. 2 II South Pa	N N N N N N N N N N N N N N N N N N N
Old Color 1 Parameter 1 # Parameter 2 # Old Value 1 Old Value 2 Old Operator 1 Old Condensed Impact Old Full Impact	New Color 1 Changed Color? [I	N N N N N N N N N N N N N N N N N N N
Old Color 1 Parameter 1 # Parameter 2 # Old Value 1 Old Value 2 Old Operator 1 Old Condensed Impact Old Full Impact	New Color 1 Changed Color? Old Param. 1 ID visibility New Param. 1 ID Visibility Changed Param. 17 Old Param. 2 ID rain New Param. 2 ID Rain Changed Param. 27 Sound Param. 2 ID Rain Changed Param. 27 New Value 1 Sound Param. 27 New Value 2 None Changed Value 17 New Opt. 1 Changed Opt. 17 N Old Opt. 2 New Opt. 2 Changed Opt. 2 Precipitation and Reduced Visibility New Condensed Rain and Reduced Visibility Changed Condensed Impact Any occurrence of rain and visibility < 3.1 miles (5000 m) reduces the target and background contrast making target acquisition difficult. Any occurrence of rain and visibility < 3.1 miles (5000 m) reduces the target and background contrast making	Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z
Old Color 1 Parameter 1 # Parameter 2 # Old Value 1 Old Value 2 Old Operator 1 Old Condensed Impact Old Full Impact New Full Impact	New Color 1 26 Old Param. 1 ID visibility New Param. 1 ID Visibility Changed Param. 1 7 14 Old Param. 2 ID Rain Changed Param. 2 7 5000 New Value 1 5000 meters Changed Value 1? 1 0 New Value 2 None Changed Value 2? 1 New Opt. 1 < Changed Opt. 1? N Old Opt. 2 > New Opt. 2 > Changed Opt. 2 Precipitation and Reduced Visibility New Condensed Impact Rain and Reduced Visibility Changed Condensed Impact? Any occurrence of rain and visibility < 3.1 miles (5000 m) reduces the target and background contrast making target acquisition difficult. Any occurrence of rain and visibility < 3.1 miles (5000 m) reduces the target and background contrast making target acquisition difficult.	Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z
Old Color 1 Parameter 1 # Parameter 2 # Old Value 1 Old Value 2 Old Operator 1 Old Condensed Impact Old Full Impact New Full Impact	New Color 1 26 Old Param. 1 ID visibility New Param. 1 ID Visibility Changed Param. 17 14 Old Param. 2 ID rain New Param. 2 ID Rain Changed Param. 27 5000 New Value 1 5000 meters Changed Value 1? 0 New Value 2 None Changed Value 2? < New Opt. 1 < Changed Opt. 1? N Old Opt. 2 > New Opt. 2 > Changed Opt. 2 Precipitation and Reduced Visibility New Condensed Impact Rain and Reduced Visibility Changed Condensed Impact? Any occurrence of rain and visibility < 3.1 miles (5000 m) reduces the target and background contrast making target acquisition difficult. Any occurrence of rain and visibility < 3.1 miles (5000 m) reduces the target and background contrast making target acquisition difficult. Changed Full Impact?	Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z
Old Color 1 Parameter 1 # Parameter 2 # Old Value 1 Old Value 2 Old Operator 1 Old Condensed Impact Old Full Impact New Full Impact Old Source (1s New Source/Reason for	New Color 1 26 Old Param. 1 ID visibility New Param. 1 ID Visibility Changed Param. 1 7 14 Old Param. 2 ID rain New Param. 2 ID Rain Changed Param. 2 7 5000 New Value 1 5000 meters Changed Value 1 7 0 New Value 2 None Changed Value 2 7 < New Opt. 1 < Changed Opt. 1? N Old Opt. 2 > New Opt. 2 > Changed Opt. 2 7 Precipitation and Reduced Visibility New Condensed Impact Rain and Reduced Visibility Changed Condensed Impact Condensed Impact Rain and Reduced Visibility Changed Condensed Impact Rain and Visibility Changed Condensed Impact? Impact Rain and Visibility Changed Condensed Impact? Impact Rain and Visibility Changed Full Impact? Impact Rain and Visibility Changed Full Impact? Impact Rain State Rain and Visibility Changed Full Impact? Impact Rain State Rain and Visibility Changed Full Impact? Impact Rain State Rain and Visibility Changed Full Impact? Impact Rain State Rain Rain Rain Rain Rain Rain Rain Rain	Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z

ID# 83 C	omponent Name	TV/DIRECT V	IEW SIGHT	Rule 1 #	111 R	ule 2 #	111 Delet	te Rule? N
Old Color 1	New Color	1				Ċ	hanged Col	or? N
Parameter 1 #	26 Old Param. 1 ID	visibility	New Para	m. 1 ID	Visibility		Changed P	Param. 1? N
Parameter 2 #	17 Old Param. 2 ID	snow	New Para	m. 2 ID	Snow		Changed P	Param. 2? N
Old Value 1	5000	New \	/alue 1	5000 mete	rs		Changed V	/alue 1? N
Old Value 2	0	New \	/alue 2	None			Changed V	/alue 2? Y
Old Operator 1	< New Opt. 1	< Changed (Opt. 1? N Old	Opt. 2 >	New Opt. 2	>	Change	d Opt. 2 N
Old Condensed Impact	Snow and Reduc	-	ew Condensed pact	Snow and Re	educed Visi		Changed Condensed I	Impact? N
Old Full Impact	Any occurrence of si target acquisition dif		3.1 miles (500	m) reduces the	target and	backgro	und contra	st making
New Full Impact	Any occurrence of si target acquisition dif		3.1 miles (500	0 m) reduces the	target and	backgro	und contra	st making
Old Source (1s	t Cavalry Division, 199	<u> </u>				CI	nanged Full I	Impact? N
New Source/ Reason for Delete	"Quantitative vs. Qua WSMR, NM.	itative Tactical Dec	ision Aids: Is	There a Differenc	e?" Dr. R. S	Shirkey,	Dec 1997, A	IRL,
Comments								
Changed Source	? Y	Are The	ere Any (2) Opti	ons? Y		Any C	change to Re	ecord? Y
	omponent Name	TV/DIRECT V	IEW SIGHT	Rule 1 #	112 R	ule 2 #		te Rule? N
Old Color 1	New Color	1				C	hanged Cold	
	26 Old Param. 1 ID	visibility	New Parar		Visibility		_	aram. 1? N
Parameter 2 #	1 Old Param. 2 ID	blowingsand	New Parai		owing Sand	i		aram. 2? N
Old Value 1	5000	New V		5000 meter	'S	_	Changed V	
Old Value 2	1	New V		None			Changed V	
Old Operator 1	< New Opt. 1	< Changed C			New Opt. 2	>	Changed	d Opt. 2 Y
Old Condensed Impact	Blowing Sand an Visibili		ew Condensed pact	Blowing San Vis	d and Redu ibility		Changed Condensed li	mpact? N
Old Full Impact	Any occurrence of bl	owing sand and vis	sibility < 3.1 mi	les (5000 m) redu	ices the op	erationa	l distance.	
New Full Impact	Any occurrence of bl	owing sand and vis	sibility < 3.1 mi	les (5000 m) redu	ices the op	erationa	l distance.	
Old Sauras (4nd	Courter Division 400	201				Ch	anged Full I	Impact? N
	Cavalry Division, 199		inion Aidas Is 3	hara e Diff	-2" D- D 0	hirken	Dog 4007 A	DI
	"Quantitative vs. Qual WSMR, NM.	Itative Tactical Dec	ision Aids: Is	nere a Differenc	e?" Dr. R. S	snirkey,	Dec 1997, A	.KL,
Comments		No. 40 (10 (10 (10 (10 (10 (10 (10 (10 (10 (1				44.11		
Changed Source	2 [V]	Are The	ere Any (2) Option	nns? V		Δnv C	hange to Re	ecord? Y
god OodiOC		/110 1110	mig (4) ODU				manage to 116	,00100 1

ID# 85 Component Name TV/DIRECT VIEW SIGHT Rule 1 # 113 Rule 2 # 113 Delete Rule? N
Old Color 1 New Color 1 Changed Color?
Parameter 1 # 26 Old Param. 1 ID visibility New Param. 1 ID Visibility Changed Param. 1? N
Parameter 2 # 9 Old Param. 2 ID fog New Param. 2 ID Fog Changed Param. 2? N
Old Value 1 5000 New Value 1 5000 meters Changed Value 1?
Old Value 2 None Changed Value 2?
Old Operator 1 New Opt. 1 Changed Opt. 1? N Old Opt. 2 New Opt. 2 Changed Opt. 2 Y
Old Condensed Impact Fog and Reduced Visibility New Condensed Impact Condensed Impact Condensed Impact
Old Full Impact Any occurrence of fog and visibility < 3.1 miles (5000 m) reduces the target and background contrast making target acquisition difficult.
New Full Impact Any occurrence of fog and visibility < 3.1 miles (5000 m) reduces the target and background contrast making target acquisition difficult.
Changed Full Impact? N
Old Source (1st Cavalry Division, 1992);
New Source/ Reason for Delete "Quantitative vs. Qualitative Tactical Decision Aids: Is There a Difference?" Dr. R. Shirkey, Dec 1997, ARL, WSMR, NM.
Comments
Changed Source? Y Are There Any (2) Options? Y Any Change to Record? Y
ID# 86 Component Name TV/DIRECT VIEW SIGHT Rule 1 # 118 Rule 2 # 118 Delete Rule? N
10 # 00 Component Name 14/DIRECT VIEW SIGHT Name 1 # 110 Rule 2 # 110 Delete Rule:
Old Color 2 New Color 2
Old Color 2 New Color 2 Changed Color? Parameter 1 # 26 Old Param 1 ID visibility New Param 1 ID Visibility Changed Param 12 New Param 1 ID Visibility Changed Para
Parameter 1 # 26 Old Param. 1 ID visibility New Param. 1 ID Visibility Changed Param. 1? N
Parameter 1 # 26 Old Param. 1 ID visibility New Param. 1 ID Visibility Changed Param. 1? New Parameter 2 # 1 Old Param. 2 ID blowingsand New Param. 2 ID Blowing Sand Changed Param. 2? New Param. 2 ID Changed Param. 2 ID Ch
Parameter 1 # 26 Old Param. 1 ID visibility New Param. 1 ID Visibility Changed Param. 1? New Parameter 2 # 1 Old Param. 2 ID blowingsand New Param. 2 ID Blowing Sand Changed Param. 2? No Value 1 3100 meters Changed Value 1?
Parameter 1 # 26 Old Param. 1 ID visibility New Param. 1 ID Visibility Changed Param. 1? New Parameter 2 # 1 Old Param. 2 ID blowingsand New Param. 2 ID Blowing Sand Changed Param. 2? No Old Value 1 3100 New Value 1 3100 meters Changed Value 1? No Old Value 2 None Changed Value 2?
Parameter 1 # 26 Old Param. 1 ID visibility New Param. 1 ID Visibility Changed Param. 1 Parameter 2 # 1 Old Param. 2 ID blowingsand New Param. 2 ID Blowing Sand Changed Param. 2 Parameter 2 # 1 Old Param. 2 ID Blowing Sand Changed Param. 2 Parameter 2 # 1 Old Param. 2 ID Blowing Sand Changed Param. 2 Parameter 2 # 1 Old Value 1 3100 meters Changed Value 1? Now Value 2 None Changed Value 2 Parameter 2 # 1 Old Operator 1
Parameter 1 # 26 Old Param. 1 ID visibility New Param. 1 ID Visibility Changed Param. 1 Parameter 2 # 1 Old Param. 2 ID blowingsand New Param. 2 ID Blowing Sand Changed Param. 2 Parameter 2 # 1 Old Param. 2 ID Blowing Sand Changed Param. 2 Parameter 2 # 1 Old Param. 2 ID Blowing Sand Changed Param. 2 Parameter 2 # 1 Old Param. 2 ID Blowing Sand Changed Param. 2 Parameter 2 # 1 Old Param. 2 ID Blowing Sand Changed Param. 2 Parameter 2 # 1 Old Param. 2 ID Blowing Sand Changed Param. 2 Parameter 2 # 1 Old Param. 2 ID Blowing Sand Changed Param. 2 Parameter 2 # 1 Old Param. 2 ID Blowing Sand Changed Param. 2 Parameter 2 # 1 Old Param. 2 ID Blowing Sand Changed Param. 2 Parameter 2 # 1 Old Param. 2 ID Blowing Sand Changed Param. 2 Parameter 2 # 1 Old Param. 2 ID Blowing Sand Changed Param. 2 Parameter 2 # 1 Old Param. 2 ID Blowing Sand Changed Param. 2 Parameter 2 # 1 Old Param. 2 ID Blowing Sand Changed Param. 2 Parameter 2 # 1 Old Param. 2 ID Blowing Sand Changed Param. 2 Parameter 2 # 1 Old Param. 2 ID Blowing Sand Changed Param. 2 Parameter 2 # 1 Old Param. 2 ID Blowing Sand Changed Param. 2 Parameter 2 # 1 Old Param. 2 ID Blowing Sand Changed Param. 2 Parameter 2 # 1 Old Param. 2 ID Blowing Sand Changed Param. 2 ID Blowing Sand Change
Parameter 1 # 26 Old Param. 1 ID visibility New Param. 1 ID Visibility Changed Param. 1? New Parameter 2 # 1 Old Param. 2 ID blowingsand New Param. 2 ID Blowing Sand Changed Param. 2? Nold Value 1 3100 New Value 1 3100 meters Changed Value 1? Nold Value 2 None Changed Value 2? Nold Operator 1
Parameter 1 # 26 Old Param. 1 ID visibility New Param. 1 ID Visibility Changed Param. 1? New Parameter 2 # 1 Old Param. 2 ID blowingsand New Param. 2 ID Blowing Sand Changed Param. 2? Nold Value 1 3100 New Value 1 3100 meters Changed Value 1? Nold Value 2 None Changed Value 2? Yold Operator 1
Parameter 1 # 26 Old Param. 1 ID visibility New Param. 1 ID Visibility Changed Param. 1? New Parameter 2 # 1 Old Param. 2 ID blowingsand New Param. 2 ID Blowing Sand Changed Param. 2? Nold Value 1 3100 New Value 1 3100 meters Changed Value 1? None Changed Value 2? None Changed Value 2? None Changed Value 2? None Changed Value 2? None Changed Opt. 2 None Opt. 2 None Changed Opt. 2 None Opt. 2
Parameter 1 # 26 Old Param. 1 ID visibility New Param. 1 ID Visibility Changed Param. 1? New Parameter 2 # 1 Old Param. 2 ID blowingsand New Param. 2 ID Blowing Sand Changed Param. 2? Nold Value 1 3100 New Value 1 3100 meters Changed Value 1? Nold Value 2 None Changed Value 2? Yold Operator 1
Parameter 1 # 26 Old Param. 1 ID visibility New Param. 1 ID Visibility Changed Param. 1? New Parameter 2 # 1 Old Param. 2 ID blowingsand New Param. 2 ID Blowing Sand Changed Param. 2? Nold Value 1 3100 New Value 1 3100 meters Changed Value 1? Nold Value 2 None Changed Value 2? Yold Operator 1 New Opt. 1 Changed Opt. 1? Nold Opt. 2 New Opt. 2 Changed Opt. 2 None Changed Opt. 2 None Changed Opt. 2 Nold Condensed Impact Poly New Condensed Impact C

							_
ID# 87 C	Component Name	TV/DIRECT VIEW SIG	GHT I	Rule 1 # 119	Rule 2#	119 Delete Rule	? N
Old Color 2	New Color	2				Changed Color?	N
Parameter 1 #	26 Old Param. 1 ID	visibility Ne	ew Param. 1 ID	Visibility	,	Changed Param.	1? N
Parameter 2 #	9 Old Param. 2 ID	fog Ne	ew Param. 2 ID	Fog		Changed Param.	2? N
Old Value 1	3100	New Value 1	310	00 meters		Changed Value 11	? N
Old Value 2	1	New Value 2		None		Changed Value 21	? Y
Old Operator 1	< New Opt. 1	< Changed Opt. 1?	N Old Opt. 2	= New Opt.	2 >	Changed Opt. 2	2 Y
Old Condensed Impact	Fog and Reduced	Visibility New Cond Impact	densed Fo	og and Low Visib	oility	Changed Condensed Impact?	Y
Old Full Impact	Any occurrence of fog contrast making target	and visibility < 1.9 miles acquisition difficult.	(3100 m) signific	cantly reduces ti	ne target a	and background	
New Full Impact	Any occurrence of fog contrast making target	and visibility < 1.9 miles acquisition difficult.	(3100 m) signific	cantly reduces t	ne target a	and background	
Old Source (1s	t Cavalry Division, 1992	1.				Changed Full Impact	? N
(-			ide. le There e D	ifference?!! Dr. E	Chiekov	Dec 4007 ABI	
New Source/ Reason for Delete	"Quantitative vs. Qualita WSMR, NM.	ative Tactical Decision A	ids: is There a D	imerence?" Dr. F	c. Snirkey	, Dec 1997, ARL,	
Comments							
			(D) O (I) O [V			0,	
Changed Source	? Y	Are There Any	(2) Options? Y		Any	Change to Record?	Y
ID# 88 C	omponent Name	TV/DIRECT VIEW SIG	SHT F	Rule 1 # 120	Rule 2#	120 Delete Rule	? N
Old Color 2	New Color	2				Changed Color?	N
Parameter 1 #	26 Old Param. 1 ID	visibility Ne	w Param. 1 ID	Visibility	,	Changed Param.	1? N
Parameter 2 #	17 Old Param. 2 ID	snow Ne	w Param. 2 ID	Snow		Changed Param.	2? N
Old Value 1	3100	New Value 1	310	00 meters		Changed Value 13	? N
Oid Value 2	1	New Value 2		None		Changed Value 27	Y
Old Operator 1	< New Opt. 1	< Changed Opt. 1?	N Old Opt. 2	> New Opt.	2 >	Changed Opt. 2	2 N
Old Condensed Impact	Snow and Reduced	I Visibility New Cond Impact	lensed Sno	ow and Low Visi	bility	Changed Condensed Impact?	, Y
Old Full Impact	Snow > light intensity a	and visibility < 1.9 miles	(3100 m) signific	antly reduces th	e operation	onal distance.	
New Full Impact	Any occurrence of sno	w and visibility < 1.9 mile	es (3100 m) signi	ificantly reduces	the oper	ational distance.	
	,	•	, , ,				
					C	hanged Full Impact?	? Y
Old Source (1s	t Cavalry Division, 1992);				•	
New Source/ Reason for Delete	"Quantitative vs. Qualita WSMR, NM.	ative Tactical Decision A	ids: Is There a D	ifference?" Dr. F	R. Shirkey	, Dec 1997, ARL,	
Comments							
Changed Source	2 🔻	Ara There Ary	(2) Options? Y	7	Any	Change to Record?	

ID# 89 C	
.5 "	Component Name TV/DIRECT VIEW SIGHT Rule 1 # 121 Rule 2 # 121 Delete Rule? N
Old Color 2	New Color 2 Changed Color? N
Parameter 1 #	26 Old Param. 1 ID visibility New Param. 1 ID Visibility Changed Param. 17 N
Parameter 2 #	14 Old Param. 2 ID rain New Param. 2 ID Rain Changed Param. 2? N
Old Value 1	3100 New Value 1 3100 meters Changed Value 1? N
Old Value 2	1 New Value 2 None Changed Value 2? Y
Old Operator 1	New Opt. 1 < Changed Opt. 1? N Old Opt. 2 > New Opt. 2 > Changed Opt. 2 N
Old Condensed Impact	Precipitation and Reduced Visibility New Condensed Impact Rain and Low Visibility Changed Condensed Impact?
Old Full Impact	Rain > light intensity and visibility < 1.9 miles (3100 m) significantly reduces the operational distance.
New Full Impact	Ann occurrence of fain and visibility < 1.9 miles (3100 m) significantly reduces the operational distance
	Changed Full Impact? Y
	st Cavalry Division, 1992);
New Source/ Reason for Delete	"Quantitative vs. Qualitative Tactical Decision Aids: Is There a Difference?" Dr. R. Shirkey, Dec 1997, ARL, WSMR, NM.
Comments	
Changed Source	e? Y Are There Any (2) Options? Y Any Change to Record? Y
ID# 90 C	Component Name TV/DIRECT VIEW SIGHT Rule 1 # 123 Rule 2 # 123 Delete Rule? N
Old Color 2	
	New Color 2 Changed Color? N
Parameter 1 #	New Color 2 Changed Color? N 26 Old Param. 1 ID visibility New Param. 1 ID Visibility Changed Param. 1? m
Parameter 1 # Parameter 2 #	New Color 2 Changed Color? N 26 Old Param. 1 ID visibility New Param. 1 ID Visibility Changed Param. 1? m 7 Old Param. 2 ID drizzle New Param. 2 ID Drizzle Changed Param. 2? N
Parameter 1 # Parameter 2 # Old Value 1	New Color 2 Changed Color? N 26 Old Param. 1 ID visibility New Param. 1 ID Visibility Changed Param. 1? m 7 Old Param. 2 ID drizzle New Param. 2 ID Drizzle Changed Param. 2? N 3100 New Value 1 3100 meters Changed Value 1? N
Parameter 1 # Parameter 2 # Old Value 1 Old Value 2	New Color 2 Changed Color? N 26 Old Param. 1 ID visibility New Param. 1 ID Visibility Changed Param. 1? m 7 Old Param. 2 ID drizzle New Param. 2 ID Drizzle Changed Param. 2? N 3100 New Value 1 3100 meters Changed Value 1? N New Value 2 None Changed Value 2? Y
Parameter 1 # Parameter 2 # Old Value 1 Old Value 2 Old Operator 1	New Color 2 Changed Color? N 26 Old Param. 1 ID visibility New Param. 1 ID Visibility Changed Param. 1? m 7 Old Param. 2 ID drizzle New Param. 2 ID Drizzle Changed Param. 2? N 3100 New Value 1 3100 meters Changed Value 1? N 1 New Value 2 None Changed Value 2? Y < New Opt. 1 < Changed Opt. 1? N Old Opt. 2 > New Opt. 2 > Changed Opt. 2 N
Parameter 1 # Parameter 2 # Old Value 1 Old Value 2	New Color 2 Changed Color? N 26 Old Param. 1 ID visibility New Param. 1 ID Visibility Changed Param. 1? m 7 Old Param. 2 ID drizzle New Param. 2 ID Drizzle Changed Param. 2? N 3100 New Value 1 3100 meters Changed Value 1? N 1 New Value 2 None Changed Value 2? Y < New Opt. 1 < Changed Opt. 1? N Old Opt. 2 > New Opt. 2 > Changed Opt. 2 N
Parameter 1 # Parameter 2 # Old Value 1 Old Value 2 Old Operator 1 Old Condensed	New Color 2 26 Old Param. 1 ID visibility New Param. 1 ID Visibility Changed Param. 1? m 7 Old Param. 2 ID drizzle New Param. 2 ID Drizzle Changed Param. 2? N 3100 New Value 1 3100 meters Changed Value 1? N 1 New Value 2 None Changed Value 2? Y < New Opt. 1 < Changed Opt. 1? N Old Opt. 2 > New Opt. 2 > Changed Opt. 2 N Drizzle and Reduced Visibility New Condensed Impact Condensed Impact? Y
Parameter 1 # Parameter 2 # Old Value 1 Old Value 2 Old Operator 1 Old Condensed impact Old Full Impact	New Color 2 Changed Color? N 26 Old Param. 1 ID visibility New Param. 1 ID Visibility Changed Param. 1? m 7 Old Param. 2 ID drizzle New Param. 2 ID Drizzle Changed Param. 2? N 3100 New Value 1 3100 meters Changed Value 1? N 1 New Value 2 None Changed Value 2? Y < New Opt. 1 < Changed Opt. 1? N Old Opt. 2 > New Opt. 2 > Changed Opt. 2 N Drizzle and Reduced Visibility New Condensed Impact Condensed Impact? Y
Parameter 1 # Parameter 2 # Old Value 1 Old Value 2 Old Operator 1 Old Condensed impact Old Full Impact	New Color 2 26 Old Param. 1 ID visibility New Param. 1 ID Visibility Changed Param. 1? m 7 Old Param. 2 ID drizzle New Param. 2 ID Drizzle Changed Param. 2? N 3100 New Value 1 3100 meters Changed Value 1? N 1 New Value 2 None Changed Value 2? Y < New Opt. 1 < Changed Opt. 1? N Old Opt. 2 > New Opt. 2 > Changed Opt. 2 N Drizzle and Reduced Visibility New Condensed Impact Condensed Impact? Y Drizzle > light intensity and visibility < 1.9 miles (3100 m) significantly reduces the operational distance.
Parameter 1 # Parameter 2 # Old Value 1 Old Value 2 Old Operator 1 Old Condensed impact Old Full Impact	New Color 2 26 Old Param. 1 ID visibility New Param. 1 ID Visibility Changed Param. 1? m 7 Old Param. 2 ID drizzle New Param. 2 ID Drizzle Changed Param. 2? N 3100 New Value 1 3100 meters Changed Value 1? N 1 New Value 2 None Changed Value 2? Y < New Opt. 1 < Changed Opt. 1? N Old Opt. 2 > New Opt. 2 > Changed Opt. 2 N Drizzle and Reduced Visibility New Condensed Impact Condensed Impact? Y Drizzle > light intensity and visibility < 1.9 miles (3100 m) significantly reduces the operational distance.
Parameter 1 # Parameter 2 # Old Value 1 Old Value 2 Old Operator 1 Old Condensed Impact Old Full Impact	New Color 2 26 Old Param. 1 ID visibility New Param. 1 ID Visibility Changed Param. 1? m 7 Old Param. 2 ID drizzle New Param. 2 ID Drizzle Changed Param. 2? N 3100 New Value 1 3100 meters Changed Value 1? N 1 New Value 2 None Changed Value 2? Y < New Opt. 1 < Changed Opt. 1? N Old Opt. 2 > New Opt. 2 > Changed Opt. 2 N Drizzle and Reduced Visibility New Condensed Impact Condensed Impact? Y Drizzle > light intensity and visibility < 1.9 miles (3100 m) significantly reduces the operational distance.
Parameter 1 # Parameter 2 # Old Value 1 Old Value 2 Old Operator 1 Old Condensed Impact Old Full Impact	New Color 2 Changed Color? N 26 Old Param. 1 ID visibility New Param. 1 ID Visibility Changed Param. 1? m 7 Old Param. 2 ID drizzle New Param. 2 ID Drizzle Changed Param. 2? N 3100 New Value 1 3100 meters Changed Value 1? N 1 New Value 2 None Changed Value 2? Y < New Opt. 1 < Changed Opt. 1? N Old Opt. 2 > New Opt. 2 > Changed Opt. 2 N Drizzle and Reduced Visibility New Condensed Impact Drizzle and Low Visibility Changed Condensed Impact? Y Drizzle > light intensity and visibility < 1.9 miles (3100 m) significantly reduces the operational distance. Changed Full Impact? Y
Parameter 1 # Parameter 2 # Old Value 1 Old Value 2 Old Operator 1 Old Condensed impact Old Full impact New Full Impact Old Source (1: New Source/ Reason for	New Color 2 26 Old Param. 1 ID visibility New Param. 1 ID Visibility Changed Param. 1? m 7 Old Param. 2 ID drizzle New Param. 2 ID Drizzle Changed Param. 2? N 3100 New Value 1 3100 meters Changed Value 1? N 1 New Value 2 None Changed Value 2? Y < New Opt. 1 < Changed Opt. 1? N Old Opt. 2 > New Opt. 2 > Changed Opt. 2 N Drizzle and Reduced Visibility New Condensed Impact Drizzle and Low Visibility Changed Condensed Impact? Y Drizzle > light intensity and visibility < 1.9 miles (3100 m) significantly reduces the operational distance. the Any occurrence of drizzle and visibility < 1.9 miles (3100 m) significantly reduces the operational distance. Changed Full Impact? Y st Cavalry Division, 1992); "Quantitative vs. Qualitative Tactical Decision Aids: Is There a Difference?" Dr. R. Shirkey, Dec 1997, ARL,
Parameter 1 # Parameter 2 # Old Value 1 Old Value 2 Old Operator 1 Old Condensed impact Old Full impact New Full impact Old Source (1: New Source/ Reason for Delete	New Color 2 26 Old Param. 1 ID visibility New Param. 1 ID Visibility Changed Param. 1? m 7 Old Param. 2 ID drizzle New Param. 2 ID Drizzle Changed Param. 2? N 3100 New Value 1 3100 meters Changed Value 1? N 1 New Value 2 None Changed Value 2? Y < New Opt. 1 < Changed Opt. 1? N Old Opt. 2 > New Opt. 2 > Changed Opt. 2 N Drizzle and Reduced Visibility New Condensed Impact Drizzle and Low Visibility Changed Condensed Impact? Y Drizzle > light intensity and visibility < 1.9 miles (3100 m) significantly reduces the operational distance. the Any occurrence of drizzle and visibility < 1.9 miles (3100 m) significantly reduces the operational distance. Changed Full Impact? Y st Cavalry Division, 1992); "Quantitative vs. Qualitative Tactical Decision Aids: Is There a Difference?" Dr. R. Shirkey, Dec 1997, ARL,

ID# 91 C	ompon	ent Name		VT F	UZE			Rule 1#	9	Rule	2#[Delete	e Rule?	N
Old Color 2		New Color	2								C	hange	ed Colo	r?	N
Parameter 1 #	22	Old Param. 1 ID	ten	nperature	N	ew Parar	n. 1 ID[Те	mperat	ure		Chan	iged Pa	aram. 1	? N
Parameter 2 #		Old Param. 2 ID			N	ew Paran	n. 2 ID[Chan	iged Pa	aram. 2	?
Old Value 1		-20		New \	/alue 1			- 20 F	h.,44,			Chan	iged Va	alue 1?	N
Old Value 2				New \	/alue 2							Chan	iged Va	alue 2?	
Old Operator 1	<=	New Opt. 1	<	Changed	Opt. 1?	Y Old	Opt. 2	N	lew Opt	. 2		Ch	anged	Opt. 2	
Old Condensed Impact		Cold		1	ew Con npact	densed		Extren	ne Cold			Change Conde		npact?	Y
Old Full Impact	Temp	eratures < -20 I	F exceed	the opera	ting lim	its and s	ignifica	antly incre	ases ur	reliab	ility.				
New Full Impact	Temp	eratures < -20 I	Fexceed	the opera	ting lim	its and s	ignifica	antly incre	ases ur	reliab	ility.				
											CI	nanged	full Ir	npact?	N
<u> </u>		lry Division, 19													
New Source/ Reason for Delete	FM 31-	-70, Appendix C	G, Page 5	a, Apr 196	8										
Comments													14 144		
Changed Source	? Y			Are Th	ere Any	(2) Optio	ns?	N			Any C	hange	to Re	cord?	Y
							_								_
ID# 02 0		ant Name		VTE	176			Pulo 1 #	11	Pulo 1	o# [Dolote	Pula?	N
	ompon	ent Name	1	VT F	UZE			Rule 1 #	11	Rule 2	Ļ	hange		Rule?	N
Old Color 1		New Color	1 ten]		ew Paran	3 1 ID				Ļ		d Colo	r?	N
Old Color 1 Parameter 1 #	22 (New Color Did Param. 1 ID		VT F	N	ew Paran			11 mperate		Ļ	Chan	d Color	r? aram. 11	N
Old Color 1 Parameter 1 # 2 Parameter 2 #	22 (New Color Did Param. 1 ID Did Param. 2 ID		nperature	N	ew Paran		Те			Ļ	Chan Chan	d Color ged Pa ged Pa	r? aram. 11 aram. 21	N
Old Color 1 Parameter 1 # 2 Parameter 2 # 2 Old Value 1	22 (New Color Did Param. 1 ID		nperature New \	No No Value 1						Ļ	Chan Chan Chan	d Color ged Pa ged Pa ged Va	r? aram. 11 aram. 21 alue 1?	N
Old Color 1 Parameter 1 # Parameter 2 # Old Value 1 Old Value 2	22 0	New Color Did Param. 1 ID Did Param. 2 ID		nperature New \ New \	No No Value 1 Value 2	ew Paran	n. 2 ID	Ter 0 F	mperatu	ure	Ļ	Chan Chan Chan Chan	ed Color ged Pa ged Pa ged Va ged Va	r? aram. 13 aram. 23 alue 1? alue 2?	N
Old Color 1 Parameter 1 # Parameter 2 # Old Value 1 Old Value 2 Old Operator 1 Old Condensed	22 (New Color Did Param. 1 ID Did Param. 2 ID		New \ New \ Changed (/alue 1 /alue 2 Opt. 1? ew Cone	ew Param	n. 2 ID	0 F		ure	C	Chan Chan Chan Chan Chan	d Color ged Pa ged Va ged Va ged Va anged	r? aram. 13 aram. 23 alue 1? alue 2? Opt. 2	N
Old Color 1 Parameter 1 # 2 Parameter 2 # 2 Old Value 1 Old Value 2 Old Operator 1 Old Condensed Impact	22 C	New Color Did Param. 1 ID Did Param. 2 ID 0 New Opt. 1 Cold		New \ New \ Changed	Notation Not	N Old	Opt. 2	0 F	mperation of the control of the cont	2	C	Chan Chan Chan Chan Chan	d Color ged Pa ged Va ged Va ged Va anged	r? aram. 13 aram. 23 alue 1? alue 2?	N N N N N N N N N N N N N N N N N N N
Old Color 1 Parameter 1 # 2 Parameter 2 # 2 Old Value 1 Old Value 2 Old Operator 1 Old Condensed Impact	22 C	New Color Did Param. 1 ID Did Param. 2 ID 0 New Opt. 1		New \ New \ Changed	Notation Not	N Old	Opt. 2	0 F	mperation of the control of the cont	2	C	Chan Chan Chan Chan Chan	d Color ged Pa ged Va ged Va ged Va anged	r? aram. 13 aram. 23 alue 1? alue 2? Opt. 2	N N N N N N N N N N N N N N N N N N N
Old Color 1 Parameter 1 # 2 Parameter 2 # 2 Old Value 1 Old Value 2 Old Operator 1 Old Condensed Impact	22 C	New Color Did Param. 1 ID Oid Param. 2 ID O New Opt. 1 Cold eratures <= 0 F	<= increase	New \ New \ Changed 0 In	No N	N Old densed	Opt. 2	0 F Note: N	ew Opt.	2 uzes.	C	Chan Chan Chan Chan Chan	d Color ged Pa ged Va ged Va ged Va anged	r? aram. 13 aram. 23 alue 1? alue 2? Opt. 2	N N N N N N N N N N N N N N N N N N N
Old Color 1 Parameter 1 # 7 Parameter 2 # 7 Old Value 1 Old Value 2 Old Operator 1 Old Condensed Impact Old Full Impact	22 C	New Color Did Param. 1 ID Oid Param. 2 ID O New Opt. 1 Cold eratures <= 0 F	<= increase	New \ New \ Changed 0 In	No N	N Old densed	Opt. 2	0 F Note: N	ew Opt.	2 uzes.	C	Chan Chan Chan Chan Change Conder	d Color ged Pa ged Va ged Va anged ed nsed In	r? aram. 17 aram. 27 alue 1? alue 2? Opt. 2 npact?	N N N N N N N N N N N N N N N N N N N
Old Color 1 Parameter 1 # Parameter 2 # Old Value 1 Old Value 2 Old Operator 1 Old Condensed Impact Old Full Impact New Full Impact	22 C	New Color Did Param. 1 ID Oid Param. 2 ID O New Opt. 1 Cold eratures <= 0 F	<= Increase	New \ New \ Changed 0 In	No N	N Old densed	Opt. 2	0 F Note: N	ew Opt.	2 uzes.	C	Chan Chan Chan Chan Change Conder	d Color ged Pa ged Va ged Va anged ed nsed In	r? aram. 19 aram. 29 alue 19 alue 29 Opt. 2 npact?	N N N Y
Old Color 1 Parameter 1 # 7 Parameter 2 # 7 Old Value 1 Old Value 2 Old Operator 1 Old Condensed Impact Old Full Impact New Full Impact Old Source (1st	Z2 C	New Color Did Param. 1 ID Oid Param. 2 ID O New Opt. 1 Cold eratures <= 0 F	<= increase	New \ New \ Changed \ In the occur	No N	N Old densed	Opt. 2	0 F Note: N	ew Opt.	2 uzes.	C	Chan Chan Chan Chan Change Conder	d Color ged Pa ged Va ged Va anged ed nsed In	r? aram. 19 aram. 29 alue 19 alue 29 Opt. 2 npact?	N N N Y
Old Color 1 Parameter 1 # Parameter 2 # Old Value 1 Old Value 2 Old Operator 1 Old Condensed Impact Old Full Impact New Full Impact Old Source (1st New Source/ Reason for	Z2 C	New Color Did Param. 1 ID Did Param. 2 ID O New Opt. 1 Cold eratures <= 0 F eratures <= 0 F	<= increase	New \ New \ Changed \ In the occur	No N	N Old densed	Opt. 2	0 F Note: N	ew Opt.	2 uzes.	C	Chan Chan Chan Chan Change Conder	d Color ged Pa ged Va ged Va anged ed nsed In	r? aram. 19 aram. 29 alue 19 alue 29 Opt. 2 npact?	N N N Y

ID# 93 Component Name VT FUZE Rule 1 # 17 Rule 2 # Delete Rule?	
	N
Old Color 2 New Color 1 Changed Color?	Υ
Parameter 1 # 22 Old Param. 1 ID temperature New Param. 1 ID Temperature Changed Param. 1 7	N
Parameter 2 # Old Param. 2 ID New Param. 2 ID Changed Param. 2?	
Old Value 1 120 New Value 1 125 F Changed Value 1?	Y
Old Value 2 New Value 2 Changed Value 2?	
Old Operator 1 >= New Opt. 1 >= Changed Opt. 1? N Old Opt. 2 New Opt. 2 Changed Opt. 2	
Old Condensed Impact New Condensed Extreme Heat Changed Condensed Impact Condensed Impact?	Y
Old Full Impact Temperatures > 120 F exceed the operating limits and significantly increases unreliability.	
No. 5 ill beautiful ACC Covered the appearing limits and increases upvaliability	닉
New Full Impact Temperatures > 125 F exceed the operating limits and increases unreliability.	
Old Source (1st Cavalry Division, 1992);	Y
New Source/ TM43-0001-28 Page 7-106, Jul 1987	
Reason for Delete	
Comments	
Changed Source? Y Are There Any (2) Options? N Any Change to Record?	Y
ID # 94 Component Name VT FUZE Rule 1 # 33 Rule 2 # Delete Rule?	
ID# 94 Component Name VT FUZE Rule 1 # 33 Rule 2 # Delete Rule?	N
	N N
	N
Old Color 1 New Color 1 Changed Color?	N N
Old Color 1 New Color 1 Changed Color? Parameter 1 # 11 Old Param. 1 ID hail New Param. 1 ID Hail Changed Param. 1? Parameter 2 # Old Param. 2 ID New Param. 2 ID Changed Param. 2?	N N
Old Color 1 New Color 1 Changed Color? Parameter 1 # 11 Old Param. 1 ID hail New Param. 1 ID Hail Changed Param. 1? Parameter 2 # Old Param. 2 ID New Param. 2 ID Changed Param. 2?	N N
Old Color 1 New Color 1 Changed Color? Parameter 1 # 11 Old Param. 1 ID hail New Param. 1 ID Hail Changed Param. 1? Parameter 2 # Old Param. 2 ID New Param. 2 ID Changed Param. 2? Old Value 1 1 New Value 1 Yes Changed Value 1?	N N
Old Color 1 New Color 1 Parameter 1 # 11 Old Param. 1 ID hail New Param. 1 ID Hail Changed Param. 1? Parameter 2 # Old Param. 2 ID New Param. 2 ID Changed Param. 2? Old Value 1 1 New Value 1 Yes Changed Value 1? Old Value 2 Changed Value 2? Old Operator 1 = New Opt. 1 = Changed Opt. 1? N Old Opt. 2 New Opt. 2 Changed Opt. 2	N N Y
Old Color 1 New Color 1 New Color 1 Changed Color? Parameter 1 # 11 Old Param. 1 ID hail New Param. 1 ID Hail Changed Param. 1? Parameter 2 # Old Param. 2 ID New Param. 2 ID Changed Param. 2? Old Value 1 1 New Value 1 Yes Changed Value 1? Old Value 2 New Value 2 Changed Value 2? Old Operator 1 = New Opt. 1 = Changed Opt. 1? N Old Opt. 2 New Opt. 2 Changed Opt. 2 Old Condensed Hail New Condensed Hail Changed	N N Y
Old Color 1 New Color 1 Parameter 1 # 11 Old Param. 1 ID hail New Param. 1 ID Hail Changed Param. 1? Parameter 2 # Old Param. 2 ID New Param. 2 ID Changed Param. 2? Old Value 1 1 New Value 1 Yes Changed Value 1? Old Value 2 New Opt. 1 = Changed Opt. 1? N Old Opt. 2 New Opt. 2 Changed Opt. 2 Old Condensed Impact Old Condensed Impact Any occurrence of hail may cause the premature detonation of variable time fuzes.	N N Y
Old Color 1 New Color 1 New Color 1 Changed Color? Parameter 1 # 11 Old Param. 1 ID hail New Param. 1 ID Hail Changed Param. 1? Parameter 2 # Old Param. 2 ID New Param. 2 ID Changed Param. 2? Old Value 1 1 New Value 1 Yes Changed Value 1? Old Value 2 New Value 2 Changed Value 2? Old Operator 1 = New Opt. 1 = Changed Opt. 1? N Old Opt. 2 New Opt. 2 Changed Opt. 2 Old Condensed Impact New Condensed Impact	N N Y
Old Color 1 New Color 1 Parameter 1 # 11 Old Param. 1 ID hail New Param. 1 ID Hail Changed Param. 1? Parameter 2 # Old Param. 2 ID New Param. 2 ID Changed Param. 2? Old Value 1 1 New Value 1 Yes Changed Value 1? Old Value 2 New Opt. 1 = Changed Opt. 1? N Old Opt. 2 New Opt. 2 Changed Opt. 2 Old Condensed Impact Old Condensed Impact Any occurrence of hail may cause the premature detonation of variable time fuzes.	N N Y
Old Color 1 New Color 1 Parameter 1 # 11 Old Param. 1 ID hail New Param. 1 ID Hail Changed Param. 1 7 Parameter 2 # Old Param. 2 ID New Param. 2 ID Changed Param. 2 7 Old Value 1 1 New Value 1 Yes Changed Value 1? Old Value 2 New Value 2 Changed Value 2? Old Operator 1 = New Opt. 1 = Changed Opt. 1? N Old Opt. 2 New Opt. 2 Changed Opt. 2 Old Condensed Impact Any occurrence of hail may cause the premature detonation of variable time fuzes. New Full Impact Any occurrence of hail may cause the premature detonation of variable time fuzes. Changed Full Impact?	N N Y
Old Color 1 New Color 1 New Color 1 Changed Color? Parameter 1 # 11 Old Param. 1 ID hail New Param. 1 ID Hail Changed Param. 1? Parameter 2 # Old Param. 2 ID New Param. 2 ID Changed Param. 2? Old Value 1 1 New Value 1 Yes Changed Value 1? Old Value 2 New Value 2 Changed Value 2? Old Operator 1 = New Opt. 1 = Changed Opt. 1? N Old Opt. 2 New Opt. 2 Changed Opt. 2 Old Condensed Impact New Condensed Hail Changed Condensed Impact? Old Full Impact Any occurrence of hail may cause the premature detonation of variable time fuzes. Old Source (1st Cavalry Division, 1992);	N N Y
Old Color 1 New Color 1 Parameter 1 # 11 Old Param. 1 ID hail New Param. 1 ID Hail Changed Param. 1 7 Parameter 2 # Old Param. 2 ID New Param. 2 ID Changed Param. 2 7 Old Value 1 1 New Value 1 Yes Changed Value 1? Old Value 2 New Value 2 Changed Value 2? Old Operator 1 = New Opt. 1 = Changed Opt. 1? N Old Opt. 2 New Opt. 2 Changed Opt. 2 Old Condensed Impact Any occurrence of hail may cause the premature detonation of variable time fuzes. New Full Impact Any occurrence of hail may cause the premature detonation of variable time fuzes. Changed Full Impact?	N N Y
Old Color 1 New Color 1 New Color 1 Changed Color? Parameter 1 # 11 Old Param. 1 ID hail New Param. 1 ID Hail Changed Param. 1? Parameter 2 # Old Param. 2 ID New Param. 2 ID Changed Param. 2? Old Value 1 1 New Value 1 Yes Changed Value 1? Old Value 2 New Value 2 Changed Value 2? Old Operator 1 = New Opt. 1 = Changed Opt. 1? N Old Opt. 2 New Opt. 2 Changed Opt. 2 Old Condensed Impact New Condensed Impact Changed Condensed Impact? Old Full Impact Any occurrence of hail may cause the premature detonation of variable time fuzes. New Full Impact Any occurrence of hail may cause the premature detonation of variable time fuzes. Old Source (1st Cavalry Division, 1992); New Source/ Reason for TM43-0001-28, Page 7-28, Jul 1987	N N Y

ID# 95 C	omponent Name	VT FUZE		Rule 1 # 54 Rul	e 2 # Delete Rule? N			
Old Color 1	New Color	1			Changed Color? N			
Parameter 1 #	14 Old Param. 1 ID	rain	New Param. 1 ID	Rain	Changed Param. 17 N			
Parameter 2 #	Old Param. 2 ID	1	New Param. 2 ID		Changed Param. 2?			
Old Value 1	2	New Value 1		Moderate	Changed Value 1? Y			
Old Value 2		New Value 2			Changed Value 2?			
Old Operator 1	> New Opt. 1	> Changed Opt. 1?	N Old Opt. 2	New Opt. 2	Changed Opt. 2			
Old Condensed Impact	Precipitation	New Cor	ndensed	Heavy Rain	Changed Condensed Impact?			
Old Full Impact	Rain > moderate intensi	ty may cause the pren	nature detonation	n of variable time fuze	s.			
New Full Impact Rain > moderate intensity may cause the premature detonation of variable time fuzes.								
Old Source (1st	Cavalry Division, 1992);				Changed Full Impact? N			
	гм43-0001-28, Page 7-28,							
Reason for Delete	1111-73-70001-20, Fage 1-20,	Jul 1907						
Comments								
Changed Source	? Y	Are There Any	y (2) Options?	N	Any Change to Record? Y			
ID# 96 Co	emponent Name	WHITE PHOSPHOR	ous	Rule 1 # 24 Rule	e 2 # Delete Rule? N			
Old Color 1	New Color 1			Train Train	Changed Color? N			
Parameter 1 #	22 Old Param. 1 ID	temperature N	lew Param. 1 ID	Temperature	Changed Param. 1? N			
Parameter 2 #	Old Param. 2 ID		lew Param. 2 ID		Changed Param. 2?			
Old Value 1	100	New Value 1		110 F	Changed Value 1? Y			
Old Value 2		New Value 2			Changed Value 2?			
Old Operator 1	>= New Opt. 1 >=	= Changed Opt. 1?	N Old Opt. 2	New Opt. 2	Changed Opt. 2			
Old Condensed Impact	Hot	New Con Impact	densed	Very Hot	Changed Condensed Impact?			
Old Full Impact	Temperatures >= 100 F m	nake white phosphoro	ous munitions un	safe to fire.				
- [
New Full Impact	Temperatures >= 110 F m	nake white phosphoro	us munitions un	safe.				
Old Course 44-4	Carrella Division 4000				Changed Full Impact?			
ــــــــــــــــــــــــــــــــــــــ	Cavalry Division, 1992); M43-0001-28, Page 4-16,	Iul 1007						
Reason for Delete	WI43-0001-28, Page 4-16,	Jul 1987						
Comments								
_ Changed Source?	Υ	Are There Any	(2) Options?	1	Any Change to Record? Y			

ID# 97 C	ompone	nt Name		WINTERIZATIO	ERIZATION KIT			11	Rule 2 #	2 # Delete Rule? N		
Old Color 1	1	New Color	1							Changed Color?	N	
Parameter 1 #	arameter 1 # 22 Old Param. 1 ID t			emperature New Param. 1 ID			temperature			Changed Param. 1? N		
Parameter 2 #	Old Param. 2 ID			New Param. 2 ID						Changed Param.	2?	
Old Value 1	0			New Value 1			0 F			Changed Value 1? N		
Old Value 2				New Value 2						Changed Value 2?		
Old Operator 1	<=	New Opt. 1	<	Changed Opt.	1? Y	old Opt. 2	N	lew Opt	2	Changed Opt.	2	
Old Condensed Impact	Cold			New Condensed Impact			Very Cold			Changed Condensed Impact	? Y	
Old Full Impact	Temperatures < 0 F without a winterization kit make it difficult for the wheeled vehicle						ehicle to	start.				
New Full Impact	Full Impact Temperatures < 0 F without special servicing.			a winterization I	kit make	it difficult	for the wh	neeled v	ehicle to	start and require		
									(Changed Full Impact	? Y	
Old Source (1s	t Cavalr	y Division, 19	92);									
New Source/ Reason for Delete	TM 9-23	320-280-10, Pa	ara 3-4, O	ct 86								
Comments												
Changed Source	? Y		•••	Are There A	\ny (2) O	otions?	N		Any	Change to Record?	Y	